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Noncriteria Pollutant Emissions
(1978 Update)

by

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Contract No. 68-02-1874
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Research Triangle Park, NC 27711

Prepared for

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Washington, DC 20460

PREFACE

The Industrial Environmental Research Laboratory (IERL) of the U.S. Environmental Protection Agency (EPA) has the responsibility for insuring that pollution control technology is available for stationary sources to meet the requirements of the Clean Air Act, the Federal Water Pollution Control Act, and solid waste legislation. If control technology is unavailable, inadequate, or uneconomical, then financial support is provided for the development of the needed control techniques for industrial and extractive process industries. The Chemical Processes Branch of the Industrial Processes Division of IERL has the responsibility for investing tax dollars in programs to develop control technology for a large number of operations (more than 500) in the chemical industries.

Monsanto Research Corporation (MRC) has contracted with EPA to investigate the environmental impact of various industries which represent sources of pollution in accordance with EPA's responsibility as outlined above. Dr. Robert C. Binning serves as MRC Program Manager in this overall program entitled "Source Assessment," which includes the investigation of sources in each of four categories: combustion, organic materials, inorganic materials, and open sources. Dr. Dale A. Denny of the Industrial Processes Division at Research Triangle Park serves as EPA Project Officer. Reports prepared in this program are of three types: Source Assessment Documents, State-of-the-Art Reports, and Special Project Reports.

Source Assessment Documents contain data on emissions from specific industries. Such data are gathered from the literature, government agencies, and cooperating companies. Sampling and analysis are also performed by the contractor when the available information does not adequately characterize the source emissions. These documents contain all of the information necessary for IERL to decide whether emissions reduction is required.

State-of-the-Art Reports include data on emissions from specific industries which are also gathered from the literature, government agencies, and cooperating companies. However, no extensive sampling is conducted by the contractor for such industries. Results from such studies are published as State-of-the-Art Reports for potential utility by the government, industry, and others having specific needs and interests.

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Special projects provide specific information or services which are applicable to a number of source types or have special utility to EPA but are not part of a particular source assessment study. This special project report, "Source Assessment: Noncriteria Pollutant Emissions," was prepared to provide an updated listing of the mass emissions of each of 389 noncriteria pollutants from various stationary sources.

ABSTRACT

This report provides a listing of stationary source types that emit each of 389 noncriteria pollutants. Quantities of such emissions are also indicated. A source type is defined as a group of emission sources which have the same process and emission characteristics.

The listing was prepared using a computerized data base established for emissions of air pollutants from approximately 800 stationary source types in the combustion, organic materials, inorganic materials, and open source categories. Emissions included in the data base consist of criteria pollutants (i.e., particulates, sulfur dioxide, nitrogen oxides, hydrocarbons, and carbon monoxide) and noncriteria pollutants (such as trace metals and polycyclic organic matter). The data base is updated continuously to incorporate related new findings and covers a large number of source types; however, it is not an exhaustive list of all stationary emission points in the United States.

This report was submitted in partial fulfillment of Contract 68-0268-02-1874 by Monsanto Research Corporation under the sponsorship of the U.S. Environmental Protection Agency. This updated listing, prepared during the period April-July 1978, supersedes a document of the same title published in July 1977 (EPA-600/2-77-107e).

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SYMBOLS

CAT -- code number which defines the emission source category

UL -- uncertainty level of emission data in the data base

SECTION 1

INTRODUCTION

During the performance of the Source Assessment Program for EPA on Contract 68-02-1874, a computerized data base was established for emissions of air pollutants from approximately 800 stationary source types in the combustion, organic materials, inorganic materials, and open source categories. A source type is defined as a group of emission sources which have the same process and emission characteristics; e.g., rubber processing, beef cattle feedlots, etc. Emissions included in the data base consist of criteria pollutants (i.e., particulates, sulfur dioxide, nitrogen oxides, hydrocarbons, and carbon monoxide) and noncriteria pollutants (such as trace metals and polycyclic organic matter).

The data base is updated continuously to incorporate related new findings from the investigation of individual emission source types on this program. Although the data base covers a large number of source types, it is not an exhaustive list of all stationary emission points in the United States. The source list was selected to cover over 90% of the emissions in those areas under the original jurisdiction of EPA's Chemical Processes Branch at IERL-RTP. In other areas, such as metallurgical processes, some additional source types were later added to the data base to provide a better coverage of national emissions. However, this coverage is by no means as complete as that for the four categories selected for intensive study.

Using the data base described above, this report was prepared to provide the mass emissions of each of 389 ncriteria pollutants from various stationary source types. The report also shows the relative importance of source types in terms of their contribution to the total national emissions of a particular noncriteria pollutant.

Emissions reports for compounds of trace metals (e.g., cerium, molybdenum, rhenium, zirconium) and certain other noncriteria pollutant species (e.g., chlorine and fluorine) are based on elemental analyses. Due to the complexity of quantifying individual inorganic compounds in environmental samples, emissions of the above materials are grouped and listed under the appropriate element name. However, this does not imply that these species are necessarily emitted as free elements.

Criteria pollutants are not included in this report. A separate report entitled "Source Assessment: Overview Matrix for National Criteria Emissions" gives an alphabetical listing of stationary source types and their national total emissions of criteria pollutants. A detailed state-by-state listing of stationary emission sources which emit at least 1% of the state's total mass emissions of any criteria pollutant is given in another separate report entitled "Source Assessment: State-by-State Listing of Criteria Pollutant Emissions."

Noncriteria pollutants are listed in Section 2 together with the stationary sources that emit each pollutant. The following explanatory remarks are provided:

1. The first line of each computer-printed table identifies the noncriteria pollutant emitted by the source types shown, and the corresponding threshold limit value (TLV®)[a] for those species listed in Reference 1.

2. The first column, designated SOURCE, lists the stationary source types that emit the named pollutant on the basis of decreasing mass of emissions.

3. The second column, labeled UL, indicates the uncertainty level of the emissions data for a source type in the data base and is defined as follows:

UL	Meaning
A	Adequate data of reasonable accuracy.
B	Partly estimated data of indeterminate accuracy.
C	Totally estimated data of indeterminate accuracy.
D	Missing data on known emissions of other pollutants for the source type.

[a] Benzene, benzo(a)pyrene, *bis*(chloromethyl) ether, chloroform, nitrosodimethylamine, tetrachloroethylene, trichloroethylene, and vinyl chloride are suspected carcinogens for which the TLV was estimated as 0.001 mg/m^3 (personal communication between Dr. I. A. Jefcoat, U.S. Environmental Protection Agency, Industrial Environmental Research Laboratory, Research Triangle Park, North Carolina, and T. W. Hughes, Monsanto Research Corporation, Dayton, Ohio, 4 August 1977).

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(1) TLVs® Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes for 1976. American Conference of Governmental Industrial Hygienists, Cincinnati, Ohio. 94 pp.

4. The third column, designated CAT, identifies the source category as follows:

CAT	Category
1	Combustion Source
2	Organic Materials Source
3	Inorganic Materials Source
4	Open Source

5. The fourth column, MASS (1,000 KG/YR), gives the annual mass emissions in 10^3 kg/yr (= metric ton/yr) for each source type.

6. The fifth column, PERCENT, shows the percent contribution of the particular noncriteria pollutant from a particular source type to the total national emissions of that pollutant from all stationary sources in the data base.

7. The sixth column, CUM PERCENT, shows the cumulative percent contribution of the particular noncriteria pollutant from a specific number of source types to the total national emissions of that pollutant from all stationary sources in the data base.

8. The source types and noncriteria pollutant emissions listed in this report are based on our data base contents as of 1 July 1978.

Example:

For benzoic acid:

a. Phthalic anhydride manufacture from *o*-xylene is the largest stationary source of benzoic acid emissions, emitting 39,517.6 x 10^3 kg/yr, which represents 82.6% of all benzoic acid emitted by the stationary sources in our data base.

b. Phthalic anhydride manufacture from naphthalene and benzoic acid manufacture emit 8,278.2 x 10^3 kg/yr and 52.7 x 10^3 kg/yr of benzoic acid, respectively. These two sources, together with phthalic anhydride manufacture from *o*-xylene, emit over 99% of the total benzoic acid emissions from all stationary sources in our data base.

SECTION 2

SOURCES AND MASS EMISSIONS OF NONCRITERIA POLLUTANTS
(Using data base contents as of 1 December 1978)

EMISSIONS REPORT FOR ACETALDEHYDE (TLV(MG/M**3) 180.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB WOOD		1	5056.4	41.58	41.58
COFFEE ROASTING	C	2	4411.5	36.28	77.86
ACETIC ACID	B	2	1460.9	12.01	89.87
VINYL ACETATE - FROM ETHYLENE	B	2	1094.6	9.00	98.87
ETHANOL	B	2	57.8	0.48	99.35
ACRYLONITRILE	A	2	51.6	0.42	99.77
ACETIC ACID - FROM BUTANE	B	2	20.8	0.17	99.94
CROTONALDEHYDE	D	2	4.5	0.04	99.98
ACETONE AND PHENOL FROM CUMENE	B	2	1.9	0.02	99.99
ACETALDEHYDE - HYDRATION OF ETHYLENE	B	2	0.5	0.00	100.00
POLYVINYL CHLORIDE	A	2	0.2	0.00	100.00
ACETALDEHYDE - OXIDATION OF ETHANOL	C	2	0.1	0.00	100.00

TOTAL MASS OF EMISSIONS 12161.

EMISSIONS REPORT FOR ACETIC ACID (TLV(MG/M**3) 25.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB WOOD		1	46230.4	64.17	64.17
CHARCOAL MANUFACTURE	C	1	24471.7	33.97	98.13
ACETIC ACID - FROM METHANOL	C	2	861.8	1.20	99.33
VINYL ACETATE - FROM ETHYLENE	B	2	263.8	0.37	99.70
ACETIC ANHYDRIDE	B	2	119.2	0.17	99.86
POLYVINYL ALCOHOL RESINS	C	2	61.6	0.09	99.95
SYM-TRIMETHYLENE-TRINITRAMINE	C	2	22.7	0.03	99.98
ASPIRIN	D	2	11.8	0.02	100.00
AMMONIUM ACETATE	D	2	2.7	0.00	100.00
POLYCHLOROPRENE	A	2	0.4	0.00	100.00
PHENYLMERCURY ACETATE - PMA - PMAS	D	2	0.1	0.00	100.00

TOTAL MASS OF EMISSIONS 72046.

EMISSIONS REPORT FOR ACETIC ANHYDRIDE (TLV(MG/M**3) 20.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETIC ANHYDRIDE	B	2	397.5	92.02	92.02
SYM-TRIMETHYLENE-TRINITRAMINE	C	2	22.7	5.25	97.27
ASPIRIN	D	2	11.8	2.73	100.00

TOTAL MASS OF EMISSIONS 432.

EMISSIONS REPORT FOR ACETONE (TLV(MG/M**3) 2400.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL METHACRYLATE	B	2	22612.6	76.23	76.23
SOLVENT EVAPORATION - DEGREASING	B	2	4280.5	14.43	90.66
ACETONE - FROM ISOPROPANOL	C	2	1514.6	5.11	95.77
ACETONE AND PHENOL FROM CUMENE	B	2	664.8	2.24	98.01
BISPHENOL-A	C	2	221.8	0.75	98.76
ACETONE CYANOHYDRIN	C	2	136.1	0.46	99.22
PROPIONIC ACID	C	2	122.5	0.41	99.63
COFFEE ROASTING	C	2	84.0	0.28	99.91
ACETIC ACID - FROM BUTANE	B	2	20.8	0.07	99.98
PENTAERYTHRIOL TETRANITRATE	C	2	4.4	0.02	100.00
ISOPROPANOL - DIRECT HYDRATION	B	2	0.5	0.00	100.00
TOTAL MASS OF EMISSIONS			29663.		

EMISSIONS REPORT FOR ACETONITRILE (TLV(MG/M**3) 70.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	590.8	100.00	100.00
TOTAL MASS OF EMISSIONS			591.		

EMISSIONS REPORT FOR ACETOPHENONE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	6.0	100.00	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR ACETYLENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	66926.9	92.45	92.45
CALCIUM CARBIDE	B	3	3317.4.	4.58	97.03
ETHYL ACRYLATE - CARBONYLATION OF ACETYLENE	D	2	1217.5	1.68	98.71
VINYL ACETATE - FROM ACETYLENE	B	2	930.6	1.29	100.00
POLYVINYL CHLORIDE	A	2	0.2	0.00	100.00
TOTAL MASS OF EMISSIONS			72392.		

EMISSIONS REPORT FOR ACETYLACETONE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	18.0	100.00	100.00
TOTAL MASS OF EMISSIONS			18.		

EMISSIONS REPORT FOR ACID MISTS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SULFATED ETHOXYLATES - AEOS	C	2	20.0	100.00	100.00
TOTAL MASS OF EMISSIONS			20.		

EMISSIONS REPORT FOR ACROLEIN (TLV(MG/M**3) 0.250)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	132.0	58.19	58.19
GLYCERIN - ALLYL ALCOHOL	C	2	49.5	21.83	80.01
GLYCERIN - ACROLEIN	C	2	45.4	19.99	100.00
TOTAL MASS OF EMISSIONS			227.		

EMISSIONS REPORT FOR ACRYLONITRILE (TLV(MG/M**3) 45.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	692.3	90.98	90.98
POLYACRYLONITRILE - POLYMERIZATION SOLUTION	C	2	56.7	7.45	98.43
MONOSODIUM GLUTAMATE	C	2	9.6	1.26	99.69
ACRYLONITRILE - BUTADIENE - STYRENE RESIN	C	2	2.4	0.31	100.00
TOTAL MASS OF EMISSIONS			761.		

EMISSIONS REPORT FOR ACRYLIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
N-BUTYL ACRYLATE	C	2	36.3	100.00	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR ADIPONITRILE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
HEXAMETHYLENEDIAMINE - ADIPONITRILE	C	2	13.9	100.00	100.00
TOTAL MASS OF EMISSIONS			14.		

EMISSIONS REPORT FOR ALDEHYDES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ASPHALT PAVING - HOT MIX	A	2	2984.7	60.32	60.32
GAS FIRED AIR CONDITIONING	C	1	961.3	19.43	79.75
GAS FIRED LAUNDRY DRYING	C	1	430.0	8.69	88.44
INCINERATION OF "TYPE 5" WASTE	D	1	131.1	2.65	91.09
COVERED WIRE INCINERATION	D	1	108.9	2.20	93.29
ASPHALT PAVING - DRYER DRUM PROCESS	D	2	90.7	1.83	95.13
ELECTRICAL EQUIPMENT WINDING RECLAMATION	D	1	76.9	1.55	96.68
SWIMMING POOL HEATING	C	1	75.6	1.53	98.21
MEAT SMOKEHOUSES	D	2	34.0	0.69	98.90
AUTOBODY INCINERATION	B	1	26.0	0.53	99.42
ISOOCTAL ALCOHOLS	C	2	21.5	0.44	99.86
ACETONE AND PHENOL FROM CUMENE	B	2	6.0	0.12	99.98
BRAKE SHOE DEBONDING	D	1	1.0	0.02	100.00
TOTAL MASS OF EMISSIONS			4948.		

EMISSIONS REPORT FOR ALDICARB

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ALDICARB	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR ALKYL BENZENES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	2051.2	100.00	100.00
TOTAL MASS OF EMISSIONS			2051.		

EMISSIONS REPORT FOR ALLYL CHLORIDE (TLV(MG/M**3) 3.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
EPICHLOROHYDRIN	B	2	408.2	100.00	100.00
TOTAL MASS OF EMISSIONS			408.		

EMISSIONS REPORT FOR ALLYL ALCOHOL (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	20.6	100.00	100.00
TOTAL MASS OF EMISSIONS			21.		

EMISSIONS REPORT FOR ALUMINUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	6005.7	67.17	67.17
RESIDENTIAL EXT COMB BITUMINOUS		1	2764.6	30.92	98.09
RESIDENTIAL EXT COMB ANTHRACITE		1	170.4	1.91	99.99
RESIDENTIAL EXT COMB LIGNITE		1	0.7	0.01	100.00
TOTAL MASS OF EMISSIONS			8941.		

EMISSIONS REPORT FOR ALUMINUM CHLORIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ALUMINUM CHLORIDE - ANHYDROUS	C	3	30.3	84.69	84.69
CARBONIZING WOOL FIBRES	D	2	5.5	15.31	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR AMMONIA (TLV(MG/M**3) 18.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PETROLEUM REFINING - CATALYTIC CRACKING	B	2	47402.3	43.05	43.05
AMMONIA	A	3	31856.0	28.93	71.98
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	12236.9	11.11	83.10
COKE MANUFACTURE	D	3	7906.2	7.18	90.28
UREA	C	2	4463.9	4.05	94.33
AMMONIUM NITRATE	B	3	2136.4	1.94	96.27
AMMONIUM SULFATE	C	3	1686.5	1.53	97.80
FERTILIZER MIXING - AMMONIATION - GRANULATION PLANTS	B	3	1119.0	1.02	98.82
SODIUM CARBONATE - SYNTHETIC	C	3	494.9	0.45	99.27
AMMONIUM PHOSPHATES	B	3	209.5	0.19	99.46
HEXAMETHYLENETETRAMINE	C	2	172.7	0.16	99.62
OPEN BURNING OF WOOD WASTE	C	1	69.7	0.06	99.68
FUMARIC ACID	C	2	60.0	0.05	99.73
MELAMINE	C	2	52.1	0.05	99.78
FERTILIZER MIXING - LIQUID MIX PLANTS	B	3	51.4	0.05	99.83
ANILINE	C	2	42.0	0.04	99.87
2,4-D ACID, ESTERS, SALTS	D	2	37.4	0.03	99.90
OPEN BURNING OF RAIL CARS	C	1	29.0	0.03	99.93
ETHYLENE DIAMINE	C	2	18.4	0.02	99.94
HYDRAZINE	C	3	14.0	0.01	99.96
NITROANILINE	C	2	8.6	0.01	99.96
PARATHION	B	2	6.7	0.01	99.97
TRIMETHYLAMINE	D	2	6.5	0.01	99.98
MONOETHYLAMINE	C	2	6.4	0.01	99.98
TRIETHYLAMINE	C	2	5.0	0.00	99.99
DIETHYLAMINE	C	2	5.0	0.00	99.99
AMMONIUM ACETATE	D	2	2.7	0.00	99.99
SACCHARIN	C	2	1.6	0.00	99.99
BUTYLAMINE	D	2	1.4	0.00	100.00
METHYL PARATHION	B	2	1.1	0.00	100.00
AMMONIUM CITRATE	D	2	0.5	0.00	100.00
AMMONIUM OXALATE	D	2	0.5	0.00	100.00
AMMONIUM THIOCYANATE	D	2	0.5	0.00	100.00
AMMONIUM BENZOATE	C	2	0.5	0.00	100.00
DINITROBENZENE	D	2	0.5	0.00	100.00
AMMONIUM FORMATE	D	2	0.4	0.00	100.00
AMMONIUM TARTRATE	D	2	0.4	0.00	100.00
BENZONITRILE	D	2	0.3	0.00	100.00
AMMONIUM GLUTONATE	C	2	0.2	0.00	100.00
ACRYLONITRILE	A	2	0.0	0.00	100.00
HYDROXYLAMINE SULFATE	D	2	0.0	0.00	100.00
HYDROXYLAMINE	D	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			110109.		

EMISSIONS REPORT FOR ANILINE (TLV(MG/M**3) 19.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ANILINE	C	2	56.0	67.84	67.84
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	26.1	31.61	99.45
QUINOLINE	D	2	0.5	0.55	100.00
TOTAL MASS OF EMISSIONS			83.		

EMISSIONS REPORT FOR ANISOLE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHOXYCHLOR	D	2	2.3	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR ANTIMONY (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	5722.9	92.10	92.10
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	436.8	7.03	99.13
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	31.7	0.51	99.64
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	8.5	0.14	99.78
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	5.7	0.09	99.87
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	1.6	0.03	99.90
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1.6	0.03	99.93
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	1.1	0.02	99.94
INDUSTRIAL EXT COMB RESID OIL OTHER		1	1.0	0.02	99.96
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	1.0	0.02	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.3	0.01	99.98
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.3	0.00	99.99
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.3	0.00	99.99
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.2	0.00	99.99
RESIDENTIAL EXT COMB BITUMINOUS		1	0.2	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			6213.		

EMISSIONS REPORT FOR ANTIMONY TRIOXIDE (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ANTIMONY OXIDE	D	3	0.8	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR ARSENIC (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	1999.6	65.76	65.76
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	371.6	12.22	77.99
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	371.6	12.22	90.21
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	90.7	2.98	93.19
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	42.6	1.40	94.59
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	40.9	1.35	95.94
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	19.0	0.63	96.57
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	19.0	0.63	97.19
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	17.2	0.57	97.76
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	11.6	0.39	98.15
SEWAGE SLUDGE INCINERATION	C	1	9.1	0.30	98.44
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	8.5	0.28	98.72
INDUSTRIAL EXT COMB RESID OIL OTHER		1	7.6	0.25	98.97
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	7.2	0.24	99.21
COTTON GINS	B	3	6.9	0.23	99.44
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	4.5	0.15	99.59
SODIUM ARSENITE	D	3	2.6	0.09	99.67
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	2.2	0.07	99.75
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	1.5	0.05	99.79
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	1.2	0.04	99.83
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	1.2	0.04	99.87
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	1.1	0.04	99.91
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	1.0	0.03	99.94
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.7	0.02	99.96
RESIDENTIAL EXT COMB BITUMINOUS		1	0.3	0.02	99.98
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	0.1	0.00	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.1	0.00	99.99
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE		1	0.1	0.00	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.1	0.00	99.99
RESIDENTIAL EXT COMB DIST OIL		1	0.0	0.00	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	99.99
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL TURBINE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			3041.		

EMISSIONS REPORT FOR ARSENIC TRIOXIDE (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY COPPER SMELTING	C	3	3991.7	75.65	75.65
PIG IRON PRODUCTION	C	3	602.2	11.41	87.06
PRIMARY ZINC SMELTING	C	3	287.2	5.44	92.49
PRIMARY LEAD SMELTING AND REFINING	C	3	254.4	4.82	97.31
IRON FOUNDRIES	C	3	133.1	2.52	99.83
ARSENIC TRIOXIDE	D	3	9.1	0.17	100.00
MSMA	B	2	0.0	0.00	100.00
DSMA	B	2	0.0	0.00	100.00
LEAD ARSENATE	D	3	0.0	0.00	100.00
CALCIUM ACID METHANEARSONATE	D	2	0.0	0.00	100.00
CACODYLIC ACID	D	2	0.0	0.00	100.00
METHANE ARSENIC ACID	D	2	0.0	0.00	100.00
CALCIUM ARSENATE	D	3	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			5278.		

EMISSIONS REPORT FOR ASBESTOS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ASBESTOS PRODUCTS	B	3	485.3	73.87	73.87
SPINNING ASBESTOS FIBRES - TWISTING AND WINDING	C	2	65.2	9.93	83.80
PREPARATION OF ASBESTOS FIBRES	C	2	37.8	5.75	89.55
CARDING ASBESTOS FIBRES	C	2	27.5	4.18	93.73
COMBING ASBESTOS FIBRES	C	2	27.5	4.18	97.91
MANUFACTURE OF ASBESTOS PRODUCTS - WEAVING	C	2	13.7	2.09	100.00
TOTAL MASS OF EMISSIONS			657.		

EMISSIONS REPORT FOR BARIUM SALTS (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BARIUM CHEMS - CARBONATE,CHLORIDE,HYDROXIDE,SULFATE,SULFIDE	C	3	159.7	100.00	100.00
TOTAL MASS OF EMISSIONS			160.		

EMISSIONS REPORT FOR BARIUM (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	1274.7	44.04	44.04
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	353.8	12.22	56.27
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	244.0	8.43	64.70
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	244.0	8.43	73.13
INDUSTRIAL EXT COMB LIGNITE STOKER		1	127.0	4.39	77.51
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	117.5	4.06	81.57
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	111.9	3.87	85.44
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	87.8	3.03	88.47
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	87.8	3.03	91.51
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	59.0	2.04	93.55
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	26.3	0.91	94.46
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	23.6	0.82	95.27
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	22.7	0.78	96.05
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	18.1	0.63	96.68
RESIDENTIAL EXT COMB BITUMINOUS		1	17.3	0.60	97.28
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	17.2	0.60	97.87
INDUSTRIAL EXT COMB RESID OIL OTHER		1	16.3	0.56	98.44
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	12.6	0.44	98.87
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	7.5	0.26	99.13
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	6.0	0.21	99.34
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	5.5	0.19	99.53
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	4.1	0.14	99.67
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	3.1	0.11	99.78
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	3.0	0.10	99.88
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	1.4	0.05	99.93
RESIDENTIAL EXT COMB ANTHRACITE		1	0.9	0.03	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.8	0.03	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.1	0.01	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			2894.		

EMISSIONS REPORT FOR BENZALDEHYDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	6.0	100.00	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR BENZENE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	51742.1	62.88	62.88
MALEIC ANHYDRIDE FROM BENZENE	B	2	18524.5	22.51	85.39
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	5896.8	7.17	92.56
NITROBENZENE	B	2	3392.2	4.12	96.68
P-DICHLOROBENZENE	B	2	891.9	1.08	97.76
O-DICHLOROBENZENE	B	2	602.8	0.73	98.49
FUMARIC ACID	C	2	300.1	0.36	98.86
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	298.8	0.36	99.22
ACETONE AND PHENOL FROM CUMENE	B	2	182.6	0.22	99.44
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	176.9	0.21	99.66
ACRYLONITRILE	A	2	173.7	0.21	99.87
CHLOROBENZENE	B	2	84.4	0.10	99.97
LINEAR ALKYLBENZENE	C	2	13.7	0.02	99.99
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	7.4	0.01	100.00
CUMENE SULFONATE - AMMONIUM SALT	D	2	1.1	0.00	100.00
CUMENE SULFONIC ACID	D	2	1.1	0.00	100.00
BENZONITRILE	D	2	0.3	0.00	100.00
TOTAL MASS OF EMISSIONS			82290.		

EMISSIONS REPORT FOR BENZENE SOLUBLE ORGS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB DIST OIL		1	12732.8	17.61	17.61
RESIDENTIAL EXT COMB GAS		1	10885.1	15.06	32.67
INDUSTRIAL EXT COMB GAS OTHER		1	8164.0	11.29	43.96
INDUSTRIAL EXT COMB RESID OIL OTHER		1	6892.9	9.53	53.50
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	6710.6	9.28	62.78
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	6697.3	9.26	72.04
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	6348.7	8.78	80.83
COMMERCIAL/INSTITUTIONAL EXT COMB GAS OTHER		1	3450.0	4.77	85.60
INDUSTRIAL EXT COMB DIST OIL OTHER		1	1901.1	2.63	88.23
INDUSTRIAL EXT COMB GAS TANG FIRE		1	1814.1	2.51	90.74
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	1178.8	1.63	92.37
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	1178.8	1.63	94.00
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1088.6	1.51	95.50
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	852.8	1.18	96.68
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	271.9	0.38	97.06
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	253.9	0.35	97.41
ELECTRICITY GENERATION EXT COMB GAS OTHER		1	244.6	0.34	97.75
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	226.7	0.31	98.06
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	190.6	0.26	98.33
COMMERCIAL/INSTITUTIONAL EXT COMB GAS TANG FIRE		1	165.2	0.23	98.56
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	154.1	0.21	98.77
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	136.1	0.19	98.95
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	117.9	0.16	99.12
INDUSTRIAL EXT COMB LIGNITE STOKER		1	81.6	0.11	99.23
ELECTRICITY GENERATION EXT COMB GAS TANG FIRE		1	81.6	0.11	99.34
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	72.6	0.10	99.44
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	68.8	0.10	99.54
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	63.4	0.09	99.63
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	52.4	0.07	99.70
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	45.4	0.06	99.76
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	36.3	0.05	99.81
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	34.5	0.05	99.86
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	31.8	0.04	99.90
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	22.7	0.03	99.94
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	17.2	0.02	99.96
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	13.6	0.02	99.98
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	7.2	0.01	99.99
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	5.4	0.01	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	3.2	0.00	100.00
TOTAL MASS OF EMISSIONS			72292.		

EMISSIONS REPORT FOR BENZO(A)PYRENE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	305.9	63.43	63.43
COKE MANUFACTURE	D	3	154.2	31.97	95.40
PRESCRIBED BURNING	C	1	11.5	2.39	97.78
AGRICULTURAL OPEN BURNING	B	1	3.9	0.81	98.60
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1.5	0.32	98.92
RESIDENTIAL EXT COMB GAS		1	0.5	0.11	99.03
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	0.5	0.10	99.13
RESIDENTIAL EXT COMB DIST OIL		1	0.5	0.09	99.22
INDUSTRIAL EXT COMB GAS OTHER		1	0.4	0.08	99.30
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.4	0.08	99.39
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.3	0.07	99.46
COMMERCIAL/INSTITUTIONAL EXT COMB GAS OTHER		1	0.3	0.06	99.51
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.3	0.06	99.57
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	0.2	0.05	99.62
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	0.2	0.05	99.67
INDUSTRIAL EXT COMB RESID OIL OTHER		1	0.2	0.05	99.71
MUNICIPAL INCINERATION	B	1	0.2	0.04	99.75
OPEN BURNING OF WOOD WASTE	C	1	0.1	0.03	99.78
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.1	0.02	99.80
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.1	0.02	99.83
INDUSTRIAL EXT COMB GAS TANG FIRE		1	0.1	0.02	99.84
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	0.1	0.02	99.86
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	0.1	0.02	99.88
COVERED WIRE INCINERATION	D	1	0.1	0.02	99.90
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.1	0.02	99.91
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.1	0.01	99.93
OPEN BURNING OF RAIL CARS	C	1	0.1	0.01	99.94
GAS FIRED AIR CONDITIONING	C	1	0.0	0.01	99.95
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.01	99.96
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.0	0.01	99.96
INCINERATION OF "TYPE 2" WASTE	D	1	0.0	0.00	99.96
INCINERATION OF "TYPE 5" WASTE	D	1	0.0	0.00	99.97
ELECTRICITY GENERATION EXT COMB GAS OTHER		1	0.0	0.00	99.97
AUTOBODY INCINERATION	B	1	0.0	0.00	99.98
GAS FIRED LAUNDRY DRYING	C	1	0.0	0.00	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB GAS TANG FIRE		1	0.0	0.00	99.98
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	0.0	0.00	99.99
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB GAS TANG FIRE		1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	99.99
INCINERATION OF "TYPE 3" WASTE	D	1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.0	0.00	100.00
SWIMMING POOL HEATING	C	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.00	100.00

ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE	1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE	1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER	1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE	1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 482.

EMISSIONS REPORT FOR BENZOIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	39517.6	82.59	82.59
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	8276.2	17.30	99.89
BENZOIC ACID	C	2	52.7	0.11	100.00
AMMONIUM BENZOATE	C	2	0.0	0.00	100.00
BENZOYL CHLORIDE	D	2	0.0	0.00	100.00
CHLOROBENZENE	B	2	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 47849.

EMISSIONS REPORT FOR BENZYL CHLORIDE (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BENZYL CHLORIDE	C	2	24.3	100.00	100.00

TOTAL MASS OF EMISSIONS 24.

EMISSIONS REPORT FOR BERYLLIUM (TLV(MG/M**3) 0.002)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	145.0	54.54	54.54
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	39.0	14.67	69.21
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	27.1	10.21	79.42
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	27.1	10.21	89.63
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	8.0	3.00	92.63
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	3.8	1.43	94.07
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	2.5	0.96	95.02
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	2.4	0.89	95.91
INDUSTRIAL EXT COMB RESID OIL OTHER		1	2.3	0.85	96.76
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	1.6	0.61	97.38
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	1.5	0.55	97.92
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	1.4	0.51	98.43
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.7	0.26	98.69
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.6	0.24	98.93
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.4	0.16	99.09
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	0.4	0.15	99.24
RESIDENTIAL EXT COMB BITUMINOUS		1	0.3	0.13	99.37
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.3	0.13	99.50
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.3	0.11	99.61
MUNICIPAL INCINERATION	B	1	0.2	0.09	99.69
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.2	0.06	99.75
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.1	0.04	99.79
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	0.1	0.04	99.83
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.1	0.04	99.87
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.1	0.04	99.91
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.1	0.02	99.93
CEMENT	B	3	0.1	0.02	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.1	0.02	99.98
INCINERATION OF *TYPE 2* WASTE	D	1	0.0	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.01	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
CARBON BLACK - FURNACE	A	2	0.0	0.00	100.00
SEWAGE SLUDGE INCINERATION	C	1	0.0	0.00	100.00
BERYLLIUM COMPOUNDS	D	3	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PRESCRIBED BURNING	C	1	0.0	0.00	100.00
AGRICULTURAL OPEN BURNING	B	1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			266.		

EMISSIONS REPORT FOR DIACETYL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	1302.4	100.00	100.00
TOTAL MASS OF EMISSIONS			1302.		

EMISSIONS REPORT FOR BIPHENYL (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLORINATED BIPHENYLS	C	2	91.6	100.00	100.00
TOTAL MASS OF EMISSIONS			92.		

EMISSIONS REPORT FOR BIPHENYLS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLORINATED BIPHENYLS	C	2	18.3	100.00	100.00
TOTAL MASS OF EMISSIONS			18.		

EMISSIONS REPORT FOR BIS CHLOROMETHYL ETH (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR BISMUTH

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	60.7	64.30	64.30
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	11.8	12.48	76.78
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	11.8	12.48	89.25
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	3.4	3.56	92.81
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	2.7	2.88	95.69
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	0.7	0.72	96.41
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.7	0.72	97.13
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.7	0.70	97.83
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.6	0.66	98.50
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.6	0.61	99.11
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.5	0.48	99.59
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.2	0.18	99.77
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.1	0.08	99.85
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.04	99.89
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.03	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.0	0.03	99.95
RESIDENTIAL EXT COMB BITUMINOUS		1	0.0	0.02	99.96
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.0	0.01	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.0	0.01	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.0	0.01	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			94.		

EMISSIONS REPORT FOR BISPHENOL-A

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
EPOXY RESINS - UNMODIFIED	C	2	0.8	61.63	61.63
EPOXY RESINS - MODIFIED	C	2	0.5	35.35	96.98
POLYCARBONATE RESINS	B	2	0.0	3.02	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR BORATES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	426.0	100.00	100.00
TOTAL MASS OF EMISSIONS			426.		

EMISSIONS REPORT FOR BORON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	3174.4	60.55	60.55
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	599.6	11.43	71.97
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	599.6	11.43	83.40
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	436.8	8.33	91.73
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	171.8	3.28	95.01
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	69.7	1.33	96.34
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	35.4	0.67	97.01
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	32.7	0.62	97.64
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	30.8	0.59	98.22
INDUSTRIAL EXT COMB LIGNITE STOKER		1	17.3	0.33	98.55
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	17.2	0.33	98.88
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	17.2	0.33	99.21
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	11.8	0.22	99.44
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	8.7	0.17	99.60
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	4.5	0.09	99.69
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.07	99.75
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	3.0	0.06	99.81
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	2.7	0.05	99.86
INDUSTRIAL EXT COMB RESID OIL OTHER		1	2.6	0.05	99.91
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	2.1	0.04	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	1.4	0.03	99.98
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.5	0.01	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.2	0.00	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.1	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.1	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.1	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			5244.		

EMISSIONS REPORT FOR BORON SALTS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BORIC ACID AND BORAX - SODIUM TETRABORATE	B	3	2177.5	100.00	100.00
TOTAL MASS OF EMISSIONS			2177.		

EMISSIONS REPORT FOR BROMINE (TLV(MG/M**3) 0.700)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	3624.3	60.55	60.55
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	688.6	11.50	72.05
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	686.6	11.50	83.56
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	300.3	5.02	88.58
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	299.3	5.00	93.58
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	77.1	1.29	94.86
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	75.3	1.26	96.12
ETHYLENE DIBROMIDE	C	2	71.6	1.20	97.32
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	49.0	0.82	98.14
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	35.3	0.59	98.73
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	11.8	0.20	98.92
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	10.0	0.17	99.09
METHYL BROMIDE	D	2	7.0	0.12	99.21
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	6.8	0.11	99.32
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	4.8	0.08	99.40
INDUSTRIAL EXT COMB RESID OIL OTHER		1	4.4	0.07	99.48
BROMINE	C	3	4.4	0.07	99.55
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	4.3	0.07	99.62
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	3.3	0.05	99.68
BROMACIL	D	2	2.7	0.05	99.72
INDUSTRIAL INT COMB DIST OIL RECIP ENG		1	2.1	0.03	99.76
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	2.0	0.03	99.79
INDUSTRIAL INT COMB DIST OIL TURBINE		1	1.9	0.03	99.82
RESIDENTIAL EXT COMB DIST OIL		1	1.8	0.03	99.85
RESIDENTIAL EXT COMB BITUMINOUS		1	1.7	0.03	99.88
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL		1	1.4	0.02	99.91
VINYL BROMIDE	D	2	0.9	0.02	99.92
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.9	0.01	99.94
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.8	0.01	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	0.8	0.01	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.6	0.01	99.97
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.5	0.01	99.98
NALED	D	2	0.5	0.01	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.3	0.01	99.99
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.1	0.00	99.99
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	0.1	0.00	99.99
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.1	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.1	0.00	100.00
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 5986.

EMISSIONS REPORT FOR BROMOBENZENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHLOROBENZENE	B	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR BUTADIENE (TLV(MG/M**3) 2200.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ADIPONITRILE	C	2	4714.6	99.53	99.53
POLYCHLOROPRENE	A	2	10.0	0.21	99.74
CAPTAN	B	2	9.1	0.19	99.93
CAPTAFOL	C	2	1.4	0.03	99.96
FOLPET	C	2	1.4	0.03	99.99
POLYVINYL CHLORIDE	A	2	0.5	0.01	100.00
TOTAL MASS OF EMISSIONS			4737.		

EMISSIONS REPORT FOR BUTANE (TLV(MG/M**3) 1400.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	136080.0	54.18	54.18
NATURAL GAS DISTRIBUTION	B	2	29674.2	11.81	65.99
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	29017.5	11.55	77.55
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	23902.2	9.52	87.06
BUTADIENE	B	2	12558.8	5.00	92.06
PETROLEUM EXTRACTION	B	2	7430.5	2.96	95.02
NATURAL GAS EXTRACTION	B	2	6525.9	2.60	97.62
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	4011.6	1.60	99.22
ACETIC ACID - FROM BUTANE	B	2	1748.9	0.70	99.91
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	170.6	0.07	99.98
ACRYLONITRILE	A	2	51.6	0.02	100.00
TOTAL MASS OF EMISSIONS			251170.		

EMISSIONS REPORT FOR BUTANOL (TLV(MG/M**3) 150.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
S-BUTYL ALCOHOL	C	2	1501.9	48.05	48.05
SOLVENT EVAPORATION - DEGREASING	B	2	1411.1	45.15	93.20
METHYL ETHYL KETONE	B	2	159.9	5.12	98.31
DI BUTYL PHTHALATE	C	2	19.7	0.63	98.94
N-BUTYL ACETATE	C	2	19.4	0.62	99.57
2-BUTOXYETHANOL	C	2	12.6	0.40	99.97
BUTYL OCTYL PHTHALATE	C	2	1.0	0.03	100.00
TOTAL MASS OF EMISSIONS			3126.		

EMISSIONS REPORT FOR N-BUTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	401.6	100.00	100.00
TOTAL MASS OF EMISSIONS			402.		

EMISSIONS REPORT FOR 2-BUTANONE (TLV(MG/M**3) 590.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	45.3	100.00	100.00
TOTAL MASS OF EMISSIONS			45.		

EMISSIONS REPORT FOR BUTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BUTADIENE	B	2	8372.5	66.44	66.44
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	3884.1	30.82	97.27
ACRYLONITRILE	A	2	344.8	2.73	100.00
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			12601.		

EMISSIONS REPORT FOR 3-BUTENE NITRILE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	186.1	100.00	100.00
TOTAL MASS OF EMISSIONS			186.		

EMISSIONS REPORT FOR T-BUTYLBENZENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	2.0	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR BUTYL ACETATE (TLV(MG/M**3) 710.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
N-BUTYL ACRYLATE	C	2	36.3	100.00	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR N-BUTYL ACETATE (TLV(MG/M**3) 710.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
N-BUTYL ACETATE	C	2	19.4	100.00	100.00
TOTAL MASS OF EMISSIONS			19.		

EMISSIONS REPORT FOR BUTYLATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BUTYLATE	D	2	1.8	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR BUTYRALDEHYDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
2-ETHYL-1-HEXANOL	B	2	14063.9	99.97	99.97
BUTYLAMINE	D	2	4.1	0.03	100.00
TOTAL MASS OF EMISSIONS			14068.		

EMISSIONS REPORT FOR BUTYRIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYL BUTYRATE	C	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR CADMIUM (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY ZINC SMELTING	C	3	574.4	60.12	60.12
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	80.5	8.43	68.55
PRIMARY COPPER SMELTING	C	3	55.9	5.85	74.40
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	52.6	5.51	79.91
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	51.6	5.40	85.32
INDUSTRIAL EXT COMB RESID OIL OTHER		1	48.0	5.02	90.34
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	35.4	3.70	94.04
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	13.1	1.37	95.41
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	9.0	0.94	96.35
CEMENT	B	3	8.8	0.92	97.27
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	6.6	0.69	97.96
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	6.6	0.69	98.65
MUNICIPAL INCINERATION	B	1	6.1	0.63	99.29
SEWAGE SLUDGE INCINERATION	C	1	3.2	0.33	99.62
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1.4	0.14	99.76
INCINERATION OF "TYPE 2" WASTE	D	1	0.7	0.08	99.84
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.4	0.04	99.88
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.3	0.04	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.3	0.03	99.95
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.3	0.03	99.98
RESIDENTIAL EXT COMB BITUMINOUS		1	0.1	0.01	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	0.0	0.00	99.99
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PRESCRIBED BURNING	C	1	0.0	0.00	100.00
AGRICULTURAL OPEN BURNING	B	1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			955.		

EMISSIONS REPORT FOR CADMIUM COMPOUNDS (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY LEAD SMELTING AND REFINING	C	3	63.6	100.00	100.00
TOTAL MASS OF EMISSIONS			64.		

EMISSIONS REPORT FOR CADMIUM SALTS (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CADMIUM PIGMENTS - CADMIUM SULFIDE, SULFOSELENIDE, LITHOPONE	C	3	37.1	100.00	100.00
TOTAL MASS OF EMISSIONS			37.		

EMISSIONS REPORT FOR CALCIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1228.4	85.06	85.06
RESIDENTIAL EXT COMB BITUMINOUS		1	207.3	14.36	99.42
RESIDENTIAL EXT COMB ANTHRACITE		1	6.0	0.41	99.83
RESIDENTIAL EXT COMB LIGNITE		1	2.4	0.17	100.00
TOTAL MASS OF EMISSIONS			1444.		

EMISSIONS REPORT FOR CAPROLACTAM (TLV(MG/M**3) 20.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NYLON 66	B	2	2858.1	67.70	67.70
NYLON 6	B	2	1365.3	32.30	100.00
TOTAL MASS OF EMISSIONS			4221.		

EMISSIONS REPORT FOR CAPTAN (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CAPTAN	B	2	0.6	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR CAPTAFOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CAPTAFOL	C	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR CARBARYL (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBARYL	D	2	13.2	100.00	100.00
TOTAL MASS OF EMISSIONS			13.		

EMISSIONS REPORT FOR CARBON TETRACHLORIDE (TLV(MG/M**3) 65.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	5860.5	32.77	32.77
CARBON TETRACHLORIDE - CHLORINATION OF PROPANE	B	2	4127.8	23.08	55.86
CARBON TETRACHLORIDE - CARBON DISULFIDE	B	2	3721.3	20.81	76.67
TRICHLOROETHYLENE - FROM ETHYLENE	B	2	2441.3	13.65	90.32
CARBON TETRACHLORIDE - METHANE	B	2	468.6	2.62	92.94
DICHLORODIFLUOROMETHANE	C	2	339.7	1.90	94.84
SOLVENT EVAPORATION - DEGREASING	B	2	310.5	1.74	96.58
METHYLENE CHLORIDE - CHLORINATION OF METHANE	B	2	249.5	1.40	97.97
METHYL CHLORIDE	C	2	224.5	1.26	99.23
CHLOROFORM	B	2	126.5	0.71	99.93
CHLOROPHENOL	C	2	4.4	0.04	99.97
CHLOROTRIFLUORO METHANE	D	2	5.4	0.03	100.00
TOTAL MASS OF EMISSIONS			17882.		

EMISSIONS REPORT FOR CARBON BLACK (TLV(MG/M**3) 3.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	1011.3	97.48	97.48
CARBON BLACK - THERMAL	A	2	26.1	2.52	100.00
TOTAL MASS OF EMISSIONS			1037.		

EMISSIONS REPORT FOR CARBON DISULFIDE (TLV(MG/M**3) 60.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	44617.9	80.32	80.32
PETROLEUM REFINING - SULFUR PLANT	B	2	8550.7	15.39	95.72
RAYON - SEMI SYNTHETIC VISCOSE RAYON	B	2	1217.0	2.19	97.91
CARBON TETRACHLORIDE - CHLORINATION OF PROPANE	B	2	589.7	1.06	98.97
CARBON TETRACHLORIDE - CARBON DISULFIDE	B	2	531.6	0.96	99.92
COFFEE ROASTING	C	2	36.0	0.06	99.99
CAPTAN	B	2	4.5	0.01	100.00
CAPTAFOL	C	2	0.7	0.00	100.00
FOLPET	C	2	0.7	0.00	100.00
TOTAL MASS OF EMISSIONS			55849.		

EMISSIONS REPORT FOR CARBONYL SULFIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	14872.6	63.49	63.49
PETROLEUM REFINING - SULFUR PLANT	B	2	8550.7	36.51	100.00
TOTAL MASS OF EMISSIONS			23423.		

EMISSIONS REPORT FOR CARBOFURAN (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBOFURAN	D	2	2.3	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR CDEC

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CDEC	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR CERIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	382.2	100.00	100.00
TOTAL MASS OF EMISSIONS			382.		

EMISSIONS REPORT FOR CESIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	6.8	100.00	100.00
TOTAL MASS OF EMISSIONS			7.		

EMISSIONS REPORT FOR CHLORINE (TLV(MG/M**3) 3.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	362427.5	58.84	58.84
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	68856.6	11.18	70.02
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	68856.6	11.18	81.20
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	29930.9	4.86	86.05
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	19927.9	3.24	89.29
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	13608.0	2.21	91.50
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	7707.4	1.25	92.75
PERCHLOROETHYLENE - CHLORINATION OF PROPANE	B	2	5329.8	0.87	93.62
INDUSTRIAL EXT COMB LIGNITE STOKER		1	4992.1	0.81	94.43
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	4903.9	0.80	95.22
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	3531.7	0.57	95.80
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	3445.2	0.56	96.35
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	3445.2	0.56	96.91
ELECTROLYTIC PRODUCTION OF CHLORINE	B	3	3325.8	0.54	97.45
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	2902.7	0.47	97.93
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	2358.9	0.38	98.31
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	2268.0	0.37	98.68
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	1271.2	0.21	98.88
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	1179.7	0.19	99.07
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	852.0	0.14	99.21
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	698.6	0.11	99.33
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	644.3	0.10	99.43
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	498.6	0.08	99.51
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	452.3	0.07	99.58
INDUSTRIAL EXT COMB RESID OIL OTHER		1	409.1	0.07	99.65
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	406.8	0.07	99.72
WOOD PROCESSING - SULFITE PROCESS	B	2	373.7	0.06	99.78
BRICK AND TILE KILNS AND DRYERS	C	3	274.8	0.04	99.82
CHLOROBENZENE	B	2	270.7	0.04	99.87
VITREOUS KAOLIN PRODUCTS	C	3	134.5	0.02	99.89
POLYCHLORINATED BIPHENYLS	C	2	91.6	0.01	99.90
RESIDENTIAL EXT COMB BITUMINOUS		1	86.4	0.01	99.92
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	75.5	0.01	99.93
FERTILIZER MIXING - AMMONIATION - GRANULATION PLANTS	B	3	63.7	0.01	99.94
POTASSIUM HYDROXIDE	C	3	63.5	0.01	99.95

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	59.7	0.01	99.96
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	56.6	0.01	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	57.5	0.01	99.98
RESIDENTIAL EXT COMB WOOD		1	28.9	0.00	99.98
BENZYL CHLORIDE	C	2	24.3	0.00	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	12.8	0.00	99.99
CHLOROPHENOL	C	2	12.7	0.00	99.99
PENTACHLOROPHENOL AND SODIUM SALTS	B	2	11.8	0.00	99.99
SODIUM CHLORATE	C	3	8.8	0.00	99.99
IRON CHLORIDE - FERRIC	C	3	7.0	0.00	100.00
CHLORAMBEN	D	2	5.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	4.5	0.00	100.00
PHOSPHORUS TRICHLORIDE		3	3.6	0.00	100.00
TOXAPHENE	C	2	2.5	0.00	100.00
DIURON	D	2	2.3	0.00	100.00
N-PARAFFIN CHLORIDE	C	2	2.2	0.00	100.00
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	B	2	1.4	0.00	100.00
SACCHARIN	C	2	1.2	0.00	100.00
LINURON	D	2	0.7	0.00	100.00
TERBACIL	D	2	0.7	0.00	100.00
SULFUR MONOCHLORIDE AND DICHLORIDE	C	3	0.4	0.00	100.00
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	0.2	0.00	100.00
MONURON	D	2	0.2	0.00	100.00
EPICHLOROHYDRIN	B	2	0.1	0.00	100.00
BROMINE	C	3	0.1	0.00	100.00
CARBON TETRACHLORIDE - CHLORINATION OF PROPANE	B	2	0.0	0.00	100.00
CARBON TETRACHLORIDE - CARBON DISULFIDE	B	2	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PHOSPHORUS OXYCHLORIDE	C	3	0.0	0.00	100.00
ALUMINUM CHLORIDE - ANHYDROUS	C	3	0.0	0.00	100.00
CRUDE IODINE - DOMESTIC PRODUCTION	C	3	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 615972.

EMISSIONS REPORT FOR CHLOROPRENE (TLV(MG/M**3) 90.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLOROPRENE	A	2	838.3	99.99	99.99
POLYVINYL CHLORIDE	A	2	0.1	0.01	100.00

TOTAL MASS OF EMISSIONS 838.

EMISSIONS REPORT FOR CHLOROFORM (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	2930.3	73.27	73.27
CARBON TETRACHLORIDE - METHANE	B	2	468.6	11.72	84.99
METHYLENE CHLORIDE - CHLORINATION OF METHANE	B	2	249.5	6.24	91.22
METHYL CHLORIDE	C	2	224.5	5.61	96.84
CHLOROFORM	B	2	126.5	3.16	100.00
TOTAL MASS OF EMISSIONS			3999.		

EMISSIONS REPORT FOR CHLOROBENZENE (TLV(MG/M**3) 350.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NITROCHLOROBENZENE	B	2	98.7	34.36	34.36
CHLOROSULFONIC ACID	C	2	70.5	24.56	58.92
P-DICHLOROBENZENE	B	2	51.3	17.86	76.78
O-DICHLOROBENZENE	B	2	34.7	12.07	88.85
CHLOROBENZENE	B	2	17.5	6.10	94.95
DDT	D	2	13.6	4.74	99.68
DICOFOL	D	2	0.9	0.32	100.00
TOTAL MASS OF EMISSIONS			287.		

EMISSIONS REPORT FOR CHLORAL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DDT	D	2	13.6	93.75	93.75
DICOFOL	D	2	0.9	6.25	100.00
TOTAL MASS OF EMISSIONS			15.		

EMISSIONS REPORT FOR CHLOROACETIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
2,4-D ACID, ESTERS, SALTS	D	2	24.9	100.00	100.00
TOTAL MASS OF EMISSIONS			25.		

EMISSIONS REPORT FOR CHROMIUM (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	982.7	35.36	35.36
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	843.6	30.35	65.71
CEMENT	B	3	248.3	8.93	74.65
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	163.2	5.87	80.52
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	163.2	5.87	86.39
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	72.5	2.61	89.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	48.2	1.73	90.74
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	48.1	1.73	92.47
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	45.5	1.64	94.10
INDUSTRIAL EXT COMB RESID OIL OTHER		1	44.4	1.60	95.70
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	26.3	0.95	96.65
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	13.6	0.49	97.14
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	11.8	0.42	97.56
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	9.1	0.33	97.89
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	9.0	0.32	98.21
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	8.4	0.30	98.52
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	8.3	0.30	98.81
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	7.0	0.25	99.06
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	6.4	0.23	99.29
REFRACTORIES	B	3	5.2	0.19	99.48
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.12	99.61
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	2.4	0.09	99.69
INDUSTRIAL EXT COMB LIGNITE STOKER		1	1.7	0.06	99.75
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	1.7	0.06	99.82
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	1.7	0.06	99.88
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	1.2	0.04	99.92
ASBESTOS PRODUCTS	B	3	0.7	0.03	99.95
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.6	0.02	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.4	0.01	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.4	0.01	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.2	0.01	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PRESCRIBED BURNING	C	1	0.0	0.00	100.00
AGRICULTURAL OPEN BURNING	B	1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			2779.		

EMISSIONS REPORT FOR CHROMIUM - SOL SALTS (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHROMIUM COMPOUNDS - ACETATE, BORIDES, HALIDES, ETC.	D	3	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR CHROMIUM SALTS (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHROMIUM OXIDE - INORGANIC PIGMENT	C	3	0.3	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR CHROMATES (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SODIUM CHROMATE AND SODIUM DICHROMATE	C	3	15.3	98.66	98.66
POTASSIUM BICHROMATE AND POTASSIUM CHROMATE	C	3	0.2	1.34	100.00
TOTAL MASS OF EMISSIONS					

EMISSIONS REPORT FOR CHROMIC ACID (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHROMIC ACID	C	3	1.2	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR CIS-2-PENTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	3901.0	96.98	96.98
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	116.7	2.90	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	4.9	0.12	100.00
TOTAL MASS OF EMISSIONS			4023.		

EMISSIONS REPORT FOR CIS-9-OCTADECENOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
OLEIC ACID	C	2	29.9	100.00	100.00
TOTAL MASS OF EMISSIONS			30.		

EMISSIONS REPORT FOR CITRIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
AMMONIUM CITRATE	D	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR COAL DUST (TLV(MG/M**3) 2.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COAL CLEANING PLANTS - THERMAL DRYING		3	7244.2	88.70	88.70
COAL CLEANING PLANTS - PNEUMATIC		3	922.6	11.30	100.00
TOTAL MASS OF EMISSIONS			8167.		

EMISSIONS REPORT FOR COBALT (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	90.7	18.36	18.36
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	89.1	18.03	36.39
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	59.0	11.93	48.32
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	57.1	11.55	59.87
INDUSTRIAL EXT COMB RESID OIL OTHER		1	53.5	10.82	70.69
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	46.4	9.39	80.08
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	17.2	3.49	83.57
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	17.2	3.49	87.06
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	12.7	2.58	89.64
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	10.0	2.02	91.66
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	8.7	1.76	93.42
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	7.7	1.56	94.98
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	5.1	1.03	96.01
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	4.2	0.84	96.86
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	3.0	0.61	97.46
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	2.4	0.50	97.96
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	2.4	0.48	98.43
INDUSTRIAL EXT COMB LIGNITE STOKER		1	2.3	0.46	98.89
RESIDENTIAL EXT COMB BITUMINOUS		1	1.2	0.24	99.14
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.9	0.18	99.32
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	0.7	0.15	99.47
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.7	0.15	99.62
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.6	0.12	99.74
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.5	0.10	99.84
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.5	0.10	99.94
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.2	0.03	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.1	0.02	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.1	0.01	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			494.		

EMISSIONS REPORT FOR COBALT METAL FUMES (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COBALT COMPOUNDS - ACETATE, CARBONATE, HALIDES, ETC.	C	3	8.5	100.00	100.00
TOTAL MASS OF EMISSIONS			9.		

EMISSIONS REPORT FOR COPPER (TLV(MG/M**3) 0.200)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY COPPER SMELTING	C	3	7903.5	75.81	75.81
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	779.8	7.48	83.29
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	398.9	3.83	87.12
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	281.4	2.70	89.82
INDUSTRIAL EXT COMB RESID OIL OTHER		1	254.1	2.44	92.25
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	254.0	2.44	94.69
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	145.2	1.39	96.08
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	145.2	1.39	97.48
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	76.4	0.73	98.21
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	47.2	0.45	98.66
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	42.7	0.41	99.07
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	16.5	0.16	99.23
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	13.6	0.13	99.36
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	8.7	0.08	99.44
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	8.5	0.08	99.52
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	7.9	0.08	99.60
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	7.4	0.07	99.67
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	7.2	0.07	99.74
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	4.2	0.04	99.78
INDUSTRIAL EXT COMB LIGNITE STOKER		1	3.8	0.04	99.82
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	3.5	0.03	99.85
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	3.5	0.03	99.88
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.03	99.92
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	2.4	0.02	99.94
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	2.3	0.02	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	2.1	0.02	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	0.6	0.01	99.99
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.5	0.00	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.3	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.3	0.00	100.00
RESIDENTIAL EXT COMB DIST OIL		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL TURBINE		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PRESCRIBED BURNING		1	0.0	0.00	100.00
AGRICULTURAL OPEN BURNING	C	1	0.0	0.00	100.00
	B	1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 10425.

EMISSIONS REPORT FOR COPPER SULFATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COPPER SULFATE - PENTAHYDRATE	C	3	34.5	100.00	100.00
TOTAL MASS OF EMISSIONS			35.		

EMISSIONS REPORT FOR COTTON DUST (TLV(MG/M**3) 0.200)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PREPARATION OF COTTON FIBRES	C	2	20284.1	57.52	57.52
COTTON GINS	B	3	7253.9	20.57	78.09
DRAWING AND SPINNING COTTON FIBRES	C	2	5071.0	14.38	92.47
CARDING OF COTTON FIBRES	C	2	1408.3	3.99	96.46
MANUFACTURE OF COTTON FABRICS	C	2	1075.1	3.05	99.51
COMBING OF COTTON FIBRES	C	2	172.3	0.49	100.00
CARPET BACKING - COTTON	C	2	0.7	0.00	100.00
TOTAL MASS OF EMISSIONS			35265.		

EMISSIONS REPORT FOR COTTON FIBRES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BREAKING AND SCUTCHING FLAX FIBRES	C	2	21.4	63.16	63.16
DRAWING AND SPINNING FLAX FIBRES	C	2	5.3	15.79	78.95
COMBING FLAX FIBRES	C	2	3.6	10.53	89.47
MANUFACTURE OF LINEN CLOTH	C	2	1.8	5.26	94.74
CARPET BACKING - FLAX	C	2	1.8	5.26	100.00
TOTAL MASS OF EMISSIONS			34.		

EMISSIONS REPORT FOR CUMENE (TLV(MG/M**3) 245.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	876.7	99.75	99.75
CUMENE SULFONATE - AMMONIUM SALT	D	2	1.1	0.13	99.88
CUMENE SULFONIC ACID	D	2	1.1	0.12	100.00
TOTAL MASS OF EMISSIONS			879.		

EMISSIONS REPORT FOR CYCLOPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	3719.5	96.98	96.98
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	111.2	2.90	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	4.7	0.12	100.00
TOTAL MASS OF EMISSIONS			3835.		

EMISSIONS REPORT FOR CYCLOHEXANE (TLV(MG/M**3) 1050.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	428.0	100.00	100.00
TOTAL MASS OF EMISSIONS			428.		

EMISSIONS REPORT FOR CYCLOHEXANOL (TLV(MG/M**3) 200.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CYCLOHEXYLAMINE	C	2	3.7	100.00	100.00
TOTAL MASS OF EMISSIONS			4.		

EMISSIONS REPORT FOR DALAPON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DALAPON	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR DDT (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DDT	D	2	13.6	100.00	100.00
DDT	D	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			14.		

EMISSIONS REPORT FOR DIAZINON (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DIAZINON	D	2	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR DICHLOROPROPANE (TLV(MG/M**3) 350.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	8554.0	100.00	100.00
TOTAL MASS OF EMISSIONS			8554.		

EMISSIONS REPORT FOR DICHLOROPROPANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	596.7	100.00	100.00
TOTAL MASS OF EMISSIONS			597.		

EMISSIONS REPORT FOR P-DICHLOROBENZENE (TLV(MG/M**3) 450.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
P-DICHLOROBENZENE	B	2	2.0	59.65	59.65
O-DICHLOROBENZENE	B	2	1.3	40.32	99.97
CHLOROBENZENE	B	2	0.0	0.03	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR 1,2-DICHLOROETHANE (TLV(MG/M**3) 200.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TRICHLOROETHYLENE - FROM ETHYLENE	B	2	2441.3	95.42	95.42
PERCHLOROETHYLENE - FROM TRICHLOROETHYLENE	B	2	117.3	4.58	100.00
TOTAL MASS OF EMISSIONS			2559.		

EMISSIONS REPORT FOR DICHLOROBUTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLOROPRENE	A	2	5.0	100.00	100.00
TOTAL MASS OF EMISSIONS			5.		

EMISSIONS REPORT FOR O-DICHLOROBENZENE (TLV(MG/M**3) 300.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
P-DICHLOROBENZENE	B	2	2.0	59.67	59.67
O-DICHLOROBENZENE	B	2	1.7	40.33	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR 1,2-DICHLOROETHYLENE (TLV(MG/M**3) 790.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	46.9	100.00	100.00
TOTAL MASS OF EMISSIONS			47.		

EMISSIONS REPORT FOR DICHLORODIFLUOROMETH (TLV(MG/M**3) 4950.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICHLORODIFLUOROMETHANE	C	2	424.6	100.00	100.00
TOTAL MASS OF EMISSIONS			425.		

EMISSIONS REPORT FOR DICHLORONAPTHOQUINON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICHLORONAPHTHO QUINONE	D	2	0.9	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR 2,4-DICHLOROPHENOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
2,4-D ACID, ESTERS, SALTS	D	2	24.9	100.00	100.00
TOTAL MASS OF EMISSIONS			25.		

EMISSIONS REPORT FOR DICHLOROVOS (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICHLOROVOS	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR DICOFOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICOFOL	D	2	0.9	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR DICROTOPHOS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICROTOPHOS	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR DIETHYL ETHER (TLV(MG/M**3) 1200.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHANOL	B	2	57.6	100.00	100.00
TOTAL MASS OF EMISSIONS			58.		

EMISSIONS REPORT FOR DIISOPROPANOL ETHER

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ISOPROPANOL - DIRECT HYDRATION	B	2	2.2	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR 2,3-DIMETHYLBUTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	7711.2	96.90	96.90
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	237.1	2.98	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	9.6	0.12	100.00
TOTAL MASS OF EMISSIONS			7958.		

EMISSIONS REPORT FOR 2,3-DIMETHYLPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	3447.4	96.95	96.95
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	103.9	2.92	99.86
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	4.4	0.12	100.00
TOTAL MASS OF EMISSIONS			3556.		

EMISSIONS REPORT FOR DIMETHYL BUTANES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS DISTRIBUTION	B	2	31.9	100.00	100.00
TOTAL MASS OF EMISSIONS			32.		

EMISSIONS REPORT FOR DIMETHYL SULFIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	114.0	100.00	100.00
TOTAL MASS OF EMISSIONS			114.		

EMISSIONS REPORT FOR DIMETHYL DISULFIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	534.2	100.00	100.00
TOTAL MASS OF EMISSIONS			534.		

EMISSIONS REPORT FOR 2,5-DIMETHYL FURAN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	36.0	100.00	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR DIMETHYLSTYRENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR DIMETHYLFORMAMIDE (TLV(MG/M**3) 30.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MODACRYLIC FIBERS	C	2	317.5	84.85	84.85
POLYACRYLONITRILE - POLYMERIZATION SOLUTION	C	2	56.7	15.15	100.00
TOTAL MASS OF EMISSIONS			374.		

EMISSIONS REPORT FOR DIMETHOATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DIMETHOATE	C	2	0.7	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR DINITROTOLUENE (TLV(MG/M**3) 1.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TOLUENE-2, 4-DIAMINE	B	2	0.4	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR DIPHENYL OXIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	5.3	66.54	66.54
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	2.6	33.46	100.00
TOTAL MASS OF EMISSIONS			8.		

EMISSIONS REPORT FOR DIQUAT (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DIQUAT	D	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR DISULFOTON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DISULFOTON	D	2	2.5	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR DODECYL MERCAPTAN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLOROPRENE	A	2	2.2	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR DURSBAN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHLORPYRIFOS	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR DYSPROSIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	38.2	100.00	100.00
TOTAL MASS OF EMISSIONS			38.		

EMISSIONS REPORT FOR EPICHLOROHYDRIN (TLV(MG/M**3) 20.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
EPOXY RESINS - UNMODIFIED	C	2	142.4	41.46	41.46
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	119.3	34.75	76.22
EPOXY RESINS - MODIFIED	C	2	81.7	23.78	100.00
TOTAL MASS OF EMISSIONS			343.		

EMISSIONS REPORT FOR EPTC

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
EPTC	D	2	1.4	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR ERBIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	7.1	100.00	100.00
TOTAL MASS OF EMISSIONS			7.		

EMISSIONS REPORT FOR ETHANOL (TLV(MG/M**3) 1900.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DISTILLED LIQUOR	C	2	8799.8	76.09	76.09
ETHANOL	B	2	1328.6	11.49	87.58
ACETALDEHYDE - OXIDATION OF ETHANOL	C	2	593.3	5.13	92.71
ETHYL ACRYLATE - DIRECT ESTERIFICATION	C	2	336.6	2.91	95.62
ETHYL ACETATE	C	2	230.8	2.00	97.62
ACRYLONITRILE	A	2	86.0	0.74	98.36
POLYVINYL ACETATE RESINS	B	2	75.5	0.65	99.02
COFFEE ROASTING	C	2	66.0	0.57	99.59
ETHYL ETHER	C	2	37.4	0.32	99.91
DI-2-ETHYLHEXYL ADIPATE	C	2	10.2	0.09	100.00
ETHYL BUTYRATE	C	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			11564.		

EMISSIONS REPORT FOR ETHANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS DISTRIBUTION	B	2	608700.7	55.98	55.98
NATURAL GAS PROCESSING	B	2	380995.3	35.04	91.01
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	41453.6	3.81	94.82
PETROLEUM EXTRACTION	B	2	24768.4	2.28	97.10
NATURAL GAS EXTRACTION	B	2	10873.2	1.00	98.10
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	B	2	8520.0	0.78	98.89
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	6722.5	0.62	99.50
ACRYLONITRILE	A	2	1659.8	0.15	99.66
ACETALDEHYDE - HYDRATION OF ETHYLENE	B	2	1122.7	0.10	99.76
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	963.9	0.09	99.85
POLYPROPYLENE	B	2	601.1	0.06	99.90
ACETIC ACID - FROM BUTANE	B	2	458.0	0.04	99.95
VINYL ACETATE - FROM ETHYLENE	B	2	392.9	0.04	99.98
ACETIC ANHYDRIDE	B	2	159.0	0.01	100.00
TRICHLOROETHYLENE - FROM ACETYLENE	B	2	35.7	0.00	100.00
TOTAL MASS OF EMISSIONS			1087427.		

EMISSIONS REPORT FOR ETHERS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYLENE DIPHENYLDIISOCYANATE	B	2	9151.6	77.96	77.96
SOLVENT EVAPORATION - DEGREASING	B	2	2587.1	22.04	100.00
TOTAL MASS OF EMISSIONS			11739.		

EMISSIONS REPORT FOR ETHION (TLV(MG/M**3) 0.400)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
AZINOPHOS - ETHYL	D	2	0.7	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR ETHOXYETHANOL (TLV(MG/M**3) 370.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
2-ETHOXYETHYL ACETATE	D	2	13.6	100.00	100.00
TOTAL MASS OF EMISSIONS			14.		

EMISSIONS REPORT FOR ETHYLENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE OXIDE	B	2	83454.8	39.83	39.83
ETHYL BENZENE	C	2	44677.8	21.32	61.15
POLYETHYLENE RESIN - HIGH DENSITY	B	2	28219.6	13.47	74.62
POLYETHYLENE RESIN - LOW DENSITY	B	2	23963.7	11.44	86.06
ACETALDEHYDE - HYDRATION OF ETHYLENE	B	2	13956.7	6.66	92.72
ACETIC ANHYDRIDE	A	2	5405.6	2.58	95.30
CARBON BLACK - FURNACE	A	2	2379.6	1.14	96.44
ACRYLONITRILE	B	2	2210.3	1.05	97.49
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	1756.2	0.84	98.33
VINYL ACETATE - FROM ETHYLENE	B	2	1487.5	0.71	99.04
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	963.9	0.46	99.50
ARTIFICIAL RIPENING OF FRUITS AND VEGETABLES	D	2	544.3	0.26	99.76
ETHYLENE DIBROMIDE	C	2	357.8	0.17	99.93
ETHANOL	B	2	57.8	0.03	99.96
ETHYL ETHER	C	2	37.4	0.02	99.98
PROPIONIC ACID	C	2	24.5	0.01	99.99
2-METHOXYETHANOL	C	2	21.9	0.01	100.00
VINYL BROMIDE	D	2	1.8	0.00	100.00
PENTAERYTHRIOL TETRANITRATE	C	2	0.9	0.00	100.00
POLYVINYL CHLORIDE	A	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			209524.		

EMISSIONS REPORT FOR ETHYLENE OXIDE (TLV(MG/M**3) 90.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE GLYCOL	B	2	1517.3	33.42	33.42
ETHANOLAMINE - MONO-,DI-,AND TRI	C	2	1517.3	33.42	66.85
ETHYLENE OXIDE	B	2	1395.3	30.74	97.58
ETHOXYLATED NONYLPHENOL	B	2	49.3	1.09	98.67
ETHOXYETHANOL	C	2	30.8	0.68	99.35
2-BUTOXYETHANOL	C	2	25.2	0.55	99.90
ETHOXYLATED MIXED LINEAR ALCOHOLS	C	2	3.4	0.07	99.97
ETHOXYLATED OCTYLPHENOL	D	2	1.2	0.03	100.00
TOTAL MASS OF EMISSIONS			4540.		

EMISSIONS REPORT FOR 2-ETHYLHEXANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DI-2-ETHYLHEXYL PHTHALATE	C	2	256.5	100.00	100.00
TOTAL MASS OF EMISSIONS			257.		

EMISSIONS REPORT FOR ETHYLENE GLYCOL (TLV(MG/M**3) 260.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE GLYCOL					
POLYESTER RESINS - UNSATURATED	B	2	758.6	77.28	77.28
	C	2	223.1	22.72	100.00
TOTAL MASS OF EMISSIONS			982.		

EMISSIONS REPORT FOR ETHYLBENZENE (TLV(MG/M**3) 435.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	0.4	72.44	72.44
STYRENE - BUTADIENE COPOLYMER RESINS	B	2	0.1	27.56	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR ETHYL CHLORIDE (TLV(MG/M**3) 2600.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
VINYL ACETATE - FROM ETHYLENE	B	2	2862.8	63.05	63.05
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	963.9	21.23	84.28
TETRAETHYL/TETRAMETHYL LEAD	C	2	678.6	14.94	99.22
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	23.4	0.52	99.74
MONOETHYLAMINE	C	2	6.4	0.14	99.88
ALLYL CHLORIDE	B	2	3.5	0.08	99.96
POLYVINYL CHLORIDE	A	2	2.0	0.04	100.00
TOTAL MASS OF EMISSIONS			4541.		

EMISSIONS REPORT FOR ETHYLENE DICHLORIDE (TLV(MG/M**3) 200.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	B	2	21299.9	61.29	61.29
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	8497.7	24.45	85.74
1,1,1-TRICHLOROETHANE	B	2	2483.1	7.00	92.74
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	2313.4	6.66	99.40
TETRAETHYL/TETRAMETHYL LEAD	C	2	169.6	0.49	99.88
POLYSULFIDE RUBBER	C	2	21.8	0.06	99.95
ETHYLENE DIAMINE	C	2	18.4	0.05	100.00
POLYVINYL CHLORIDE	A	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			34754.		

EMISSIONS REPORT FOR ETHYL ACETATE (TLV(MG/M**3) 1400.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETIC ACID	B	2	1518.7	49.45	49.45
ETHYL ACRYLATE - DIRECT ESTERIFICATION	D	2	666.8	21.71	71.16
ACETALDEHYDE - OXIDATION OF ETHANOL	C	2	598.3	19.52	90.48
ETHYL ACETATE	C	2	230.8	7.51	97.99
POLYVINYL ALCOHOL RESINS	C	2	61.6	2.01	100.00
TOTAL MASS OF EMISSIONS			3071.		

EMISSIONS REPORT FOR ETHYL BENZENE (TLV(MG/M**3) 435.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	11.9	100.00	100.00
TOTAL MASS OF EMISSIONS			12.		

EMISSIONS REPORT FOR ETHYL STYRENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	58.6	100.00	100.00
CHLOROBENZENE	B	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			59.		

EMISSIONS REPORT FOR ETHYL ACRYLATE (TLV(MG/M**3) 100.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYL ACRYLATE - DIRECT ESTERIFICATION	D	2	203.2	100.00	100.00
TOTAL MASS OF EMISSIONS			203.		

EMISSIONS REPORT FOR ETHYL BUTYRATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYL BUTYRATE	C	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR ETHYLENE DIBROMIDE (TLV(MG/M**3) 145.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DIBROMIDE &	C	2	715.6	80.84	80.84
TETRAETHYL/TETRAMETHYL LEAD	C	2	169.6	19.16	100.00
TOTAL MASS OF EMISSIONS			885.		

EMISSIONS REPORT FOR ETHYL ALCOHOL (TLV(MG/M**3) 1900.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PARATHION	B	2	7.7	100.00	100.00
TOTAL MASS OF EMISSIONS			8.		

EMISSIONS REPORT FOR EUROPIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR FENSULFOTHION (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FENSULFOTHION	D	2	1.4	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR FLUOROCARBONS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
AEROSOL PROPELLANTS		2	224985.6	75.16	75.16
REFRIGERATION		2	52164.0	17.43	92.59
SOLVENT EVAPORATION - DEGREASING	B	2	11289.2	3.77	96.36
SOLVENT EVAPORATION - DRYCLEANING	C	2	10886.4	3.64	100.00
TOTAL MASS OF EMISSIONS			299325.		

EMISSIONS REPORT FOR FLUORINE (TLV(MG/M**3)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	19996.0	40.05	40.05
BRICK AND TILE KILNS AND DRYERS	C	3	5679.8	11.38	51.42
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	3716.4	7.44	58.87
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	3716.4	7.44	66.31
REFRACTORIES	B	3	3408.8	6.83	73.14
PHOSPHORUS - ELEMENTAL	B	3	2904.5	5.82	78.95
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2129.3	4.26	83.22
PHOSPHORIC ACID - WET PROCESS	B	3	1734.3	3.47	86.69
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1629.6	3.26	89.95
PHOSPHATE ROCK - DRYING, GRINDING, CALCINING	B	3	748.1	1.50	91.45
PRIMARY COPPER SMELTING	C	3	542.9	1.09	92.54
VITREOUS KAOLIN PRODUCTS	C	3	448.3	0.90	93.44
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	418.1	0.84	94.27
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	340.8	0.68	94.96
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	308.5	0.62	95.57
CEMENT	B	3	239.5	0.48	96.05
MINERAL WOOL	B	3	204.1	0.41	96.46
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	190.2	0.38	96.84
PRIMARY LEAD SMELTING AND REFINING	C	3	181.2	0.36	97.21
PRIMARY ZINC SMELTING	C	3	180.9	0.36	97.57
TRIPLE SUPERPHOSPHATES	B	3	162.7	0.33	97.90
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	126.9	0.25	98.15
AMMONIUM PHOSPHATES	B	3	120.3	0.24	98.39
ALUMINUM FLUORIDE	C	3	94.5	0.19	98.58
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	90.9	0.18	98.76
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	90.8	0.18	98.94
CALCIUM PHOSPHATE		3	80.7	0.16	99.11
SUPERPHOSPHATE - NORMAL	B	3	68.0	0.14	99.24
SODIUM SILICOFLUORIDE	C	3	65.1	0.13	99.37
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	53.7	0.11	99.48
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	53.5	0.11	99.59
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	50.9	0.10	99.69
FLUORINE	D	3	50.5	0.10	99.79
PHOSPHATE ROCK DEFLUORINATION	B	3	39.4	0.08	99.87
HYDROFLUORIC ACID	B	3	23.5	0.05	99.92
RESIDENTIAL EXT COMB BITUMINOUS		1	13.8	0.03	99.94
FERTILIZER MIXING - AMMONIATION - GRANULATION PLANTS	B	3	12.7	0.03	99.97
SODIUM FLUORIDE	C	3	7.0	0.01	99.98
SUPERPHOSPHORIC ACID	B	3	3.6	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	1.9	0.00	99.99
FLUOMETURON	D	2	1.1	0.00	100.00
FERTILIZER MIXING - LIQUID MIX PLANTS	B	3	0.9	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.5	0.00	100.00
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	0.2	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	0.1	0.00	100.00
INDUSTRIAL EXT COMB RESID OIL OTHER		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	0.1	0.00	100.00
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 49931.

EMISSIONS REPORT FOR FOLPET

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FOLPET	C	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR FORMALDEHYDE (TLV(MG/M**3)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MALEIC ANHYDRIDE FROM BENZENE	B	2	134374.5	65.96	65.96
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	24698.5	12.12	78.09
PETROLEUM REFINING - CATALYTIC CRACKING	B	2	16294.5	8.00	86.09
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	12417.3	6.10	92.18
RESIDENTIAL EXT COMB WOOD		1	11557.6	5.67	97.86
FORMALDEHYDE	C	2	1607.0	0.79	98.65
VINYL ACETATE - FROM ETHYLENE	B	2	1324.7	0.65	99.30
PETROLEUM REFINING - CRUDE DISTILLATION	B	2	1036.3	0.51	99.81
PETROLEUM REFINING - ASPHALT PLANT	B	2	182.9	0.09	99.89
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	104.3	0.05	99.95
HEXAMETHYLENETETRAMINE	C	2	103.6	0.05	100.00
PARAFORMALDEHYDE	D	2	4.5	0.00	100.00
ACETONE AND PHENOL FROM CUMENE	B	2	0.9	0.00	100.00
PENICILLIN G - POTASSIUM	C	2	0.5	0.00	100.00
PENICILLIN G - PROCAINE	C	2	0.1	0.00	100.00
PETROLEUM REFINING - ALKYLATION	C	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			203707.		

EMISSIONS REPORT FOR FORMIC ACID (TLV(MG/M**3) 9.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MALEIC ANHYDRIDE FROM BENZENE	B	2	403.1	96.35	96.35
FORMIC ACID	C	2	14.9	3.56	99.91
AMMONIUM FORMATE	D	2	0.4	0.09	100.00
TOTAL MASS OF EMISSIONS			418.		

EMISSIONS REPORT FOR FREON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TRICHLOROTRIFLUOROETHANE	D	2	8.6	100.00	100.00
TOTAL MASS OF EMISSIONS			9.		

EMISSIONS REPORT FOR FUMARONITRILE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	15.5	100.00	100.00
TOTAL MASS OF EMISSIONS			15.		

EMISSIONS REPORT FOR FUMARIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FUMARIC ACID	C	2	80.0	100.00	100.00
TOTAL MASS OF EMISSIONS			80.		

EMISSIONS REPORT FOR FURAN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	401.6	51.11	51.11
COFFEE ROASTING	C	2	384.1	48.89	100.00
TOTAL MASS OF EMISSIONS			786.		

EMISSIONS REPORT FOR GADOLINIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	27.5	100.00	100.00
TOTAL MASS OF EMISSIONS			27.		

EMISSIONS REPORT FOR GALLIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	177.4	100.00	100.00
TOTAL MASS OF EMISSIONS			177.		

EMISSIONS REPORT FOR GALLIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PYROGALLIC ACID	D	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR GERMANIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	131.0	100.00	100.00
TOTAL MASS OF EMISSIONS			131.		

EMISSIONS REPORT FOR GLYCEROL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GLYCERIN TRIPOLYOXYPROPYLENE ETHER	C	2	261.3	100.00	100.00
TOTAL MASS OF EMISSIONS			261.		

EMISSIONS REPORT FOR GOLD

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR GUTHION (TLV(MG/M**3) 0.200)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
AZINOPHOS - METHYL	D	2	0.9	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR HAFNIUM (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.3	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR HEPTANE (TLV(MG/M**3) 1600.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYPROPYLENE	B	2	7513.6	100.00	100.00
TOTAL MASS OF EMISSIONS			7514.		

EMISSIONS REPORT FOR HEXANE (TLV(MG/M**3) 360.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUR PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	7711.2	27.41	27.41
NATURAL GAS DISTRIBUTION	B	2	4460.6	15.86	43.27
ETHYLENE - PROPYLENE TERPOLYMER	B	2	4126.2	14.67	57.94
VEGETABLE OIL MILLING	C	2	3693.8	13.13	71.07
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	3585.5	12.75	83.81
SOLVENT EVAPORATION - DEGREASING	B	2	3010.5	10.70	94.51
POLYBUTADIENE	B	2	1172.7	4.17	98.68
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	237.1	0.84	99.52
POLYISOPRENE	C	2	89.8	0.32	99.84
ACRYLONITRILE	A	2	34.4	0.12	99.97
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	9.6	0.03	100.00
TOTAL MASS OF EMISSIONS			28131.		

EMISSIONS REPORT FOR HEXENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUR PERCENT
ETHYLENE - PROPYLENE TERPOLYMER	B	2	4126.2	73.42	73.42
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	1493.9	26.58	100.00
TOTAL MASS OF EMISSIONS			5620.		

EMISSIONS REPORT FOR HOLMIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUR PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	5.7	100.00	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR HYDROGEN CHLORIDE (TLV(MG/M**3) 7.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ADIPONITRILE	C	2	11265.0	45.27	45.27
MUNICIPAL INCINERATION	B	1	7575.1	30.44	75.72
COVERED WIRE INCINERATION	D	1	2313.4	9.30	85.01
AUTOBODY INCINERATION	B	1	1106.6	4.45	89.46
INCINERATION OF "TYPE 2" WASTE	D	1	920.8	3.70	93.16
HYDROCHLORIC ACID	B	3	753.0	3.03	96.19
DICHLORODIFLUOROMETHANE	C	2	254.7	1.02	97.21
TOXAPHENE	C	2	132.2	0.53	97.74
BISPHENOL-A	C	2	73.9	0.30	98.04
LINEAR ALKYLBENZENE	C	2	68.4	0.27	98.31
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	68.2	0.27	98.59
N-PARAFFIN CHLORIDE	C	2	66.5	0.27	98.86
BENZYL CHLORIDE	C	2	48.5	0.20	99.05
CHLOROSULFONIC ACID - INORGANIC ACIDS	D	3	39.9	0.16	99.21
TRIFLURALIN	B	2	36.3	0.15	99.36
PENTACHLOROPHENOL AND SODIUM SALTS	B	2	23.6	0.09	99.45
CHLOROACETIC ACID	C	2	22.9	0.09	99.54
TRICHLOROTRIFLUOROETHANE	D	2	17.2	0.07	99.61
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	12.2	0.05	99.66
TRICHLOROPHENOLS	C	2	11.3	0.05	99.71
ASCORBIC ACID - VITAMIN C	C	2	10.5	0.04	99.75
CHLORAMBEN	D	2	10.0	0.04	99.79
DICHLOROPROPENE	D	2	5.7	0.02	99.81
CHLOROTRIFLUORO METHANE	D	2	5.4	0.02	99.84
DBCP	D	2	4.5	0.02	99.85
BENEFIN	D	2	4.4	0.02	99.87
POLYCARBONATE RESINS	B	2	3.9	0.02	99.89
POLYCHLOROPRENE	A	2	3.6	0.01	99.90
CHLORDANE	D	2	3.4	0.01	99.91
SODIUM TCA	D	2	3.4	0.01	99.93
TRICHLOROETHYLENE - FROM ACETYLENE	B	2	2.9	0.01	99.94
HEXACHLOROBENZENE	D	2	2.7	0.01	99.95
BENZOYL CHLORIDE	D	2	2.3	0.01	99.96
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	B	2	1.4	0.01	99.97
DICAMBA	D	2	1.4	0.01	99.97
SILVEX	D	2	1.4	0.01	99.98
TERBACIL	D	2	1.4	0.01	99.98
DALAPON	D	2	1.1	0.00	99.99
ENDOSULFAN	D	2	0.7	0.00	99.99
ENDRIN	D	2	0.7	0.00	99.99
HEPTACHLOR	D	2	0.7	0.00	99.99
POLYVINYL CHLORIDE	A	2	0.5	0.00	100.00
ANTHELMINTICS	D	2	0.3	0.00	100.00
LINDANE	D	2	0.2	0.00	100.00
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	0.2	0.00	100.00
EPICHLOROHYDRIN	B	2	0.1	0.00	100.00
P-DICHLOROBENZENE	B	2	0.0	0.00	100.00
O-DICHLOROBENZENE	B	2	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 24882.

EMISSIONS REPORT FOR HYDROGEN FLUORIDE (TLV(MG/M**3) 2.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY ALUMINUM PRODUCTION	C	3	9094.8	70.65	70.65
STEEL PRODUCTION	C	3	1814.6	14.10	84.75
MUNICIPAL INCINERATION	B	1	1515.0	11.77	96.52
DICHLORODIFLUOROMETHANE	C	2	254.7	1.98	98.50
INCINERATION OF "TYPE 2" WASTE	D	1	184.2	1.43	99.93
DICHLOROTETRAFLUOROETHANE	C	2	5.0	0.04	99.97
TRIFLURALIN	B	2	3.6	0.03	100.00
BENEFIN	D	2	0.4	0.00	100.00

TOTAL MASS OF EMISSIONS 12872.

EMISSIONS REPORT FOR HYDROGEN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON BLACK - FURNACE	A	2	178471.6	71.32	71.32
PETROLEUM REFINING - SULFUR PLANT	B	2	71565.8	28.60	99.91
ISOOCTAL ALCOHOLS	C	2	215.5	0.09	100.00

TOTAL MASS OF EMISSIONS 250253.

EMISSIONS REPORT FOR HYDROGEN SULFIDE (TLV(MG/M**3) 15.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
WOOD PROCESSING - KRAFT OR SULFATE PROCESS	B	2	179544.3	58.96	58.96
PETROLEUM REFINING - SULFUR PLANT	B	2	57624.4	18.92	77.89
CARBON BLACK - FURNACE	A	2	44617.9	14.65	92.54
NATURAL GAS PROCESSING	B	2	8572.4	2.82	95.36
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	8515.2	2.80	98.15
WOOD PROCESSING - NEUTRAL SULFITE SEMI-CHEMICAL	B	2	4122.6	1.35	99.51
RAYON - SEMI SYNTHETIC VISCOSE RAYON	B	2	1327.6	0.44	99.94
MIXED OLEFINIC PRODUCT	C	2	71.2	0.02	99.97
PHOSPHORIC ACID - THERMAL PROCESS	A	3	53.5	0.02	99.98
SODIUM HYDROSULFIDE - SODIUM BISULFIDE OR SULFHYDRATE	C	3	22.9	0.01	99.99
FISH AND SEAFOOD CANNING	C	2	20.4	0.01	100.00
METHYL MERCAPTAN	D	2	4.5	0.00	100.00

TOTAL MASS OF EMISSIONS 304497.

EMISSIONS REPORT FOR HYDROCHLORIC ACID (TLV(MG/M**3) 7.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
IRON CHLORIDE - FERRIC	C	3	7.0	100.00	100.00
TOTAL MASS OF EMISSIONS			7.		

EMISSIONS REPORT FOR HYDROGEN CYANIDE (TLV(MG/M**3) 11.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL METHACRYLATE	B	2	1374.1	56.79	56.79
ACRYLONITRILE	A	2	635.6	26.26	83.05
HYDROGEN CYANIDE	B	3	274.1	11.33	94.38
ACETONE CYANOHYDRIN	C	2	136.1	5.62	100.00
TOTAL MASS OF EMISSIONS			2420.		

EMISSIONS REPORT FOR HYDROQUINONE (TLV(MG/M**3) 2.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL METHACRYLATE	B	2	101.0	100.00	100.00
TOTAL MASS OF EMISSIONS			101.		

EMISSIONS REPORT FOR HYDROGEN BROMIDE (TLV(MG/M**3) 10.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL BROMIDE	D	2	14.1	72.09	72.09
BROMACIL	D	2	5.4	27.91	100.00
TOTAL MASS OF EMISSIONS			20.		

EMISSIONS REPORT FOR HYDRAZINE (TLV(MG/M**3) 1.300)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
HYDRAZINE	C	3	3.5	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR IODINE (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	30.0	96.37	96.37
CONVERSION OF CRUDE IODINE TO RESUBLIMED AND IODINE PRODUCTS	C	3	1.1	3.49	99.86
CRUDE IODINE - DOMESTIC PRODUCTION	C	3	0.0	0.14	100.00
TOTAL MASS OF EMISSIONS			31.		

EMISSIONS REPORT FOR IRIDIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	5.5	100.00	100.00
TOTAL MASS OF EMISSIONS			5.		

EMISSIONS REPORT FOR IRON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PIG IRON PRODUCTION	C	3	1248465.7	80.37	80.37
IRON FOUNDRIES	C	3	150877.3	9.71	90.09
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	84358.1	5.43	95.52
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	16324.9	1.05	96.57
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	16324.9	1.05	97.62
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	11750.7	0.76	98.37
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	7370.6	0.47	98.85
STEEL FOUNDRIES	D	3	5970.2	0.38	99.23
RESIDENTIAL EXT COMB BITUMINOUS		1	3283.0	0.21	99.44
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2359.3	0.15	99.60
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	2178.6	0.14	99.74
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	842.2	0.05	99.79
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	598.8	0.04	99.83
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	590.4	0.04	99.87
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	381.4	0.02	99.89
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	316.9	0.02	99.91
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	290.5	0.02	99.93
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	199.5	0.01	99.94
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	181.5	0.01	99.96
INDUSTRIAL EXT COMB RESID OIL OTHER		1	181.3	0.01	99.97
RESIDENTIAL EXT COMB WOOD		1	144.5	0.01	99.98
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	136.3	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	84.6	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	64.4	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	37.5	0.00	100.00
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	33.6	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	2.6	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	1.5	0.00	100.00
TOTAL MASS OF EMISSIONS			1553351.		

EMISSIONS REPORT FOR IRON OXIDE (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
IRON OXIDE - PIGMENTS	C	3	291.1	100.00	100.00
TOTAL MASS OF EMISSIONS			291.		

EMISSIONS REPORT FOR ISOBUTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	34927.2	37.96	37.96
NATURAL GAS DISTRIBUTION	B	2	19117.0	20.77	58.73
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	16581.4	18.02	76.75
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	8365.8	9.09	85.84
PETROLEUM EXTRACTION	B	2	7480.5	8.07	93.92
NATURAL GAS EXTRACTION	B	2	4349.3	4.73	98.64
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	1057.6	1.15	99.79
CARBON BLACK - FURNACE	A	2	148.7	0.16	99.95
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	45.5	0.05	100.00
TOTAL MASS OF EMISSIONS			92021.		

EMISSIONS REPORT FOR ISOBUTYLENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
T-BUTYL ALCOHOL	C	2	21.8	100.00	100.00
TOTAL MASS OF EMISSIONS			22.		

EMISSIONS REPORT FOR ISODECANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DIISODECYL PHTHALATE	C	2	77.4	100.00	100.00
TOTAL MASS OF EMISSIONS			77.		

EMISSIONS REPORT FOR ISOOCTANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ISOOCTAL ALCOHOLS	C	2	21.5	52.26	52.26
DIISOOCTAL PHTHALATE	C	2	19.7	47.74	100.00
TOTAL MASS OF EMISSIONS			41.		

EMISSIONS REPORT FOR ISOPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	163296.0	74.43	74.43
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	16581.4	7.56	81.99
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	14640.1	6.67	88.66
NATURAL GAS DISTRIBUTION	B	2	7970.2	3.63	92.30
PETROLEUM EXTRACTION	B	2	7430.5	3.39	95.68
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	4923.4	2.24	97.93
NATURAL GAS EXTRACTION	B	2	4349.3	1.98	99.91
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	199.6	0.09	100.00
TOTAL MASS OF EMISSIONS			219590.		

EMISSIONS REPORT FOR ISOPROPANOL (TLV(MG/M**3) 980.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE - FROM ISOPROPANOL	C	2	1298.2	99.14	99.14
ISOPROPYL ACETATE	C	2	9.1	0.69	99.83
ISOPROPANOL - DIRECT HYDRATION	B	2	2.2	0.17	100.00
TOTAL MASS OF EMISSIONS			1309.		

EMISSIONS REPORT FOR ISOPROPYL ACETATE (TLV(MG/M**3) 950.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ISOPROPYL ACETATE	C	2	9.1	100.00	100.00
TOTAL MASS OF EMISSIONS			9.		

EMISSIONS REPORT FOR ISOVALERALDEHYDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	2286.8	100.00	100.00
TOTAL MASS OF EMISSIONS			2287.		

EMISSIONS REPORT FOR LACTIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DISTILLED LIQUOR	C	2	1760.0	100.00	100.00
TOTAL MASS OF EMISSIONS			1760.		

EMISSIONS REPORT FOR LANTHANUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2.5	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR LEAD COMPOUNDS (TLV(MG/M**3) 0.150)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SECONDARY LEAD SMELTING AND REFINING	D	3	2418.6	62.47	62.47
PRIMARY LEAD SMELTING AND REFINING	C	3	604.1	15.60	78.07
PRIMARY COPPER SMELTING	C	3	479.0	12.37	90.44
PRIMARY ZINC SMELTING	C	3	226.9	5.86	96.30
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	85.2	2.20	98.50
LEAD OXIDE - RED LEAD AND LITHARGE - PIGMENTS ONLY	D	3	37.1	0.96	99.46
ZINC CHLORIDE - 50 DEGREE BAUME'	D	3	18.0	0.46	99.93
LEAD CARBONATE AND SULFATE - WHITE LEAD	D	3	2.3	0.06	99.99
LEAD COMPOUNDS - HALIDES, HYDROXIDES, DIOXIDE, NITRATE, ETC.	D	3	0.5	0.01	100.00
TOTAL MASS OF EMISSIONS			3872.		

EMISSIONS REPORT FOR LEAD (TLV(MG/M**3) 0.150)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	779.8	49.97	49.97
PRIMARY COPPER SMELTING	C	3	343.3	22.00	71.97
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	145.2	9.31	81.27
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	145.2	9.31	90.58
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	54.6	3.50	94.08
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	29.9	1.92	96.00
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	15.4	0.99	96.98
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	7.5	0.48	97.47
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	6.0	0.38	97.85
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	5.6	0.36	98.21
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	3.7	0.24	98.45
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	3.7	0.24	98.69
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	2.7	0.17	98.86
INDUSTRIAL EXT COMB LIGNITE STOKER		1	2.7	0.17	99.03
RESIDENTIAL EXT COMB BITUMINOUS		1	2.6	0.17	99.20
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	2.5	0.16	99.36
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	1.6	0.10	99.47
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	1.5	0.10	99.57
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	1.5	0.09	99.66
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	1.1	0.07	99.73
INDUSTRIAL EXT COMB RESID OIL OTHER		1	1.0	0.06	99.79
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	1.0	0.06	99.86
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.9	0.05	99.91
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.5	0.03	99.94
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.4	0.02	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.2	0.01	99.98
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.2	0.01	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.1	0.01	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			1561.		

EMISSIONS REPORT FOR LEAD OXIDE (TLV(MG/M**3) 0.150)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRODUCTION OF LEAD-ACID BATTERIES	C	3	3106.0	100.00	100.00
TOTAL MASS OF EMISSIONS			3106.		

EMISSIONS REPORT FOR LEAD CHROMATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
LEAD CHROMATE - CHROME YELLOW AND ORANGE	D	3	1.5	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR LITHIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	737.1	99.27	99.27
RESIDENTIAL EXT COMB BITUMINOUS		1	5.2	0.70	99.97
RESIDENTIAL EXT COMB ANTHRACITE		1	0.3	0.03	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			743.		

EMISSIONS REPORT FOR LITHIUM SALTS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
LITHIUM SALTS - LITHIUM CARBONATE AND LITHIUM HYDROXIDE	C	3	3.2	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR LUTETIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	3.3	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR MAGNESIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	546.0	49.57	49.57
RESIDENTIAL EXT COMB WOOD		1	433.4	39.35	88.91
RESIDENTIAL EXT COMB BITUMINOUS		1	121.0	10.98	99.89
RESIDENTIAL EXT COMB LIGNITE		1	0.7	0.06	99.95
RESIDENTIAL EXT COMB ANTHRACITE		1	0.5	0.05	100.00
TOTAL MASS OF EMISSIONS			1102.		

EMISSIONS REPORT FOR MAGNESIUM CHLORIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBONIZING WOOL FIBRES	D	2	5.5	100.00	100.00
TOTAL MASS OF EMISSIONS			5.		

EMISSIONS REPORT FOR MALATHION

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MALATHION	C	2	6.8	100.00	100.00
TOTAL MASS OF EMISSIONS			7.		

EMISSIONS REPORT FOR MALEIC ANHYDRIDE (TLV(MG/M**3)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MALEIC ANHYDRIDE FROM BENZENE	B	2	671.9	44.67	44.67
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	609.2	40.50	85.17
POLYESTER RESINS - UNSATURATED	C	2	223.1	14.83	100.00
TOTAL MASS OF EMISSIONS			1504.		

EMISSIONS REPORT FOR MALEIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	48013.6	98.61	98.61
MALEIC ANHYDRIDE FROM BENZENE	B	2	595.1	1.22	99.84
FUMARIC ACID	C	2	80.0	0.16	100.00
TOTAL MASS OF EMISSIONS			48689.		

EMISSIONS REPORT FOR MANEB

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MANEB	D	2	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR MANGANESE (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
STEEL PRODUCTION	C	3	42341.3	48.70	48.70
PIG IRON PRODUCTION	C	3	32114.9	36.94	85.64
FERROALLOY PRODUCTION	C	3	4309.2	4.96	90.59
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	2811.9	3.23	93.83
IRON FOUNDRIES	C	3	2662.5	3.06	96.89
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	535.8	0.62	97.50
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	535.8	0.62	98.12
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	436.8	0.50	98.62
RESIDENTIAL EXT COMB WOOD		1	361.2	0.42	99.04
MUNICIPAL INCINERATION	B	1	227.3	0.26	99.30
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	163.0	0.19	99.49
RESIDENTIAL EXT COMB BITUMINOUS		1	103.7	0.12	99.61
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	90.8	0.10	99.71
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	30.8	0.04	99.75
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	28.1	0.03	99.78
INCINERATION OF "TYPE 2" WASTE	D	1	27.6	0.03	99.81
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	26.2	0.03	99.84
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	23.6	0.03	99.87
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	23.6	0.03	99.90
INDUSTRIAL EXT COMB LIGNITE STOKER		1	22.6	0.03	99.92
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	15.4	0.02	99.94
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	13.6	0.02	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	7.8	0.01	99.96
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	6.6	0.01	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	4.3	0.00	99.98
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	4.0	0.00	99.98
INDUSTRIAL EXT COMB RESID OIL OTHER		1	3.8	0.00	99.98
CEMENT	B	3	3.5	0.00	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	3.0	0.00	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	1.6	0.00	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	1.3	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	1.1	0.00	100.00
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.8	0.00	100.00
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.7	0.00	100.00
SEWAGE SLUDGE INCINERATION	C	1	0.5	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.2	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	0.2	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE		1	0.1	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
INDUSTRIAL INT COMB DIST OIL TURBINE		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB DIST OIL		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 86945.

EMISSIONS REPORT FOR MANGANESE COMPOUNDS (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SECONDARY LEAD SMELTING AND REFINING	D	3	112.5	100.00	100.00
TOTAL MASS OF EMISSIONS			112.		

EMISSIONS REPORT FOR MANGANESE DIOXIDE (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POTASSIUM PERMANGANATE AND MANGANESE DIOXIDE	C	3	17.6	100.00	100.00
TOTAL MASS OF EMISSIONS			18.		

EMISSIONS REPORT FOR MANGANESE SALTS (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MANGANESE SULFATE		3	34.8	100.00	100.00
TOTAL MASS OF EMISSIONS			35.		

EMISSIONS REPORT FOR MERCURY (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTROLYTIC PRODUCTION OF CHLORINE	B	3	137.2	68.30	68.30
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	30.9	15.37	83.67
MUNICIPAL INCINERATION	B	1	7.6	3.77	87.44
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	5.7	2.85	90.29
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	5.7	2.85	93.14
POTASSIUM HYDROXIDE	C	3	3.2	1.58	94.72
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	2.5	1.26	95.98
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1.4	0.68	96.66
INCINERATION OF "TYPE 2" WASTE	D	1	0.9	0.46	97.12
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	0.7	0.36	97.48
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.7	0.33	97.81
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	0.6	0.28	98.08
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	0.5	0.27	98.35
INDUSTRIAL EXT COMB RESID OIL OTHER		1	0.5	0.25	98.60
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.5	0.23	98.84
SEWAGE SLUDGE INCINERATION	C	1	0.5	0.23	99.06
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.4	0.21	99.27
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.3	0.15	99.42
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.2	0.12	99.54
CARBON BLACK - FURNACE	A	2	0.2	0.11	99.65
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.2	0.10	99.75
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	0.1	0.06	99.81
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.1	0.05	99.86
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.1	0.05	99.91
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.1	0.04	99.95
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	0.1	0.03	99.98
RESIDENTIAL EXT COMB BITUMINOUS		1	0.0	0.02	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00

TOTAL MASS OF EMISSIONS 201.

EMISSIONS REPORT FOR MERCAPTANS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
WOOD PROCESSING - KRAFT OR SULFATE PROCESS	B	2	74131.0	98.06	98.06
WOOD PROCESSING - NEUTRAL SULFITE SEMI-CHEMICAL	B	2	1470.1	1.94	100.00

TOTAL MASS OF EMISSIONS 75601.

EMISSIONS REPORT FOR MERCURY COMPOUNDS (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MERCURY COMPOUNDS - HALIDES, NITRATES, OXIDES, ETC.	D	5	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR METALKAMATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METALKAMATE (BUX)	D	2	2.3	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR METHANOL (TLV(MG/M**3) 260.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHARCOAL MANUFACTURE	C	1	15921.4	67.66	67.66
FORMALDEHYDE	C	2	6428.1	27.32	94.97
ACETIC ACID - FROM METHANOL	C	2	430.9	1.83	96.81
COFFEE ROASTING	C	2	336.1	1.43	98.23
HEXAMETHYLENETETRAMINE	C	2	172.7	0.73	98.97
ACRYLONITRILE	A	2	137.6	0.58	99.55
POLYVINYL ALCOHOL RESINS	C	2	61.6	0.26	99.81
POLYISOPRENE	C	2	22.5	0.10	99.91
ASCORBIC ACID - VITAMIN C	C	2	7.0	0.03	99.94
DIMETHYL PHTHALATE	C	2	5.8	0.02	99.96
METHYL MERCAPTAN	D	2	4.5	0.02	99.98
METHYL ACETATE	C	2	2.0	0.01	99.99
EPOXY RESINS - UNMODIFIED	C	2	0.8	0.00	99.99
MSMA	B	2	0.8	0.00	100.00
EPOXY RESINS - MODIFIED	C	2	0.5	0.00	100.00
SACCHARIN	C	2	0.4	0.00	100.00
DSMA	B	2	0.2	0.00	100.00
CACODYLIC ACID	D	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			23532.		

EMISSIONS REPORT FOR METHANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS DISTRIBUTION	B	2	5440262.5	67.16	67.16
NATURAL GAS PROCESSING	B	2	952488.2	11.76	78.92
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	899543.0	11.10	90.02
PETROLEUM EXTRACTION	B	2	507751.6	6.27	96.29
NATURAL GAS EXTRACTION	B	2	219638.1	2.71	99.00
CARBON BLACK - FURNACE	A	2	37181.6	0.46	99.46
CHARCOAL MANUFACTURE	C	1	11498.8	0.14	99.60
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	B	2	8520.0	0.11	99.71
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	8067.0	0.10	99.81
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	5860.5	0.07	99.88
ACETIC ANHYDRIDE	B	2	4332.4	0.05	99.93
ACETALDEHYDE - OXIDATION OF ETHANOL	C	2	2308.0	0.03	99.96
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	B	2	963.9	0.01	99.98
ACRYLONITRILE	A	2	576.2	0.01	99.98
CARBON TETRACHLORIDE - METHANE	B	2	468.6	0.01	99.99
ACETIC ACID - FROM BUTANE	B	2	333.1	0.00	99.99
METHYLENE CHLORIDE - CHLORINATION OF METHANE	B	2	249.5	0.00	100.00
METHYL CHLORIDE	C	2	224.5	0.00	100.00
CHLOROFORM	B	2	126.5	0.00	100.00
TRICHLORDETHYLENE - FROM ACETYLENE	B	2	35.7	0.00	100.00
ACETALDEHYDE - HYDRATION OF ETHYLENE	B	2	0.3	0.00	100.00
TOTAL MASS OF EMISSIONS			8100429.		

EMISSIONS REPORT FOR 2-METHYLPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	19504.8	96.98	96.98
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	585.5	2.90	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	23.6	0.12	100.00
TOTAL MASS OF EMISSIONS			20112.		

EMISSIONS REPORT FOR 3-METHYLPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	12247.2	96.99	96.99
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	364.7	2.89	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	15.2	0.12	100.00
TOTAL MASS OF EMISSIONS			12627.		

EMISSIONS REPORT FOR 2-METHYL-2-BUTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	11340.0	96.92	96.92
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	346.5	2.96	99.89
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	13.4	0.11	100.00
TOTAL MASS OF EMISSIONS			11700.		

EMISSIONS REPORT FOR 2-METHYL-1-BUTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	7257.6	96.96	96.96
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	218.8	2.92	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	9.1	0.12	100.00
TOTAL MASS OF EMISSIONS			7485.		

EMISSIONS REPORT FOR METHYLCYCLOPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	7257.6	96.96	96.96
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	218.8	2.92	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	9.1	0.12	100.00
TOTAL MASS OF EMISSIONS			7485.		

EMISSIONS REPORT FOR METHYL ETHYL KETONE (TLV(MG/M**3) 590.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	3198.6	60.15	60.15
COFFEE ROASTING	C	2	2118.7	39.85	100.00
TOTAL MASS OF EMISSIONS			5317.		

EMISSIONS REPORT FOR METHYLENE CHLORIDE (TLV(MG/M**3) 720.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	27752.6	92.43	92.43
CARBON TETRACHLORIDE - METHANE	B	2	937.1	3.12	95.55
METHYLENE CHLORIDE - CHLORINATION OF METHANE	B	2	499.0	1.66	97.21
METHYL CHLORIDE	C	2	449.1	1.50	98.71
CHLOROFORM	B	2	252.9	0.84	99.55
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	134.6	0.45	100.00
TOTAL MASS OF EMISSIONS			30025.		

EMISSIONS REPORT FOR METHYL PENTANES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS DISTRIBUTION	B	2	5097.9	100.00	100.00
TOTAL MASS OF EMISSIONS			5098.		

EMISSIONS REPORT FOR METHYL FORMATE (TLV(MG/M**3) 250.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FORMALDEHYDE	C	2	12856.3	93.58	93.58
COFFEE ROASTING	C	2	882.3	6.42	100.00
TOTAL MASS OF EMISSIONS			13739.		

EMISSIONS REPORT FOR METHYLAL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FORMALDEHYDE	C	2	1607.0	100.00	100.00
TOTAL MASS OF EMISSIONS			1607.		

EMISSIONS REPORT FOR METHYL ETHYL ACROLEI

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	120.0	100.00	100.00
TOTAL MASS OF EMISSIONS			120.		

EMISSIONS REPORT FOR METHYL ACETATE (TLV(MG/M**3) 610.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	834.3	97.33	97.33
ACETIC ACID - FROM BUTANE	B	2	20.8	2.43	99.76
METHYL ACETATE	C	2	2.0	0.24	100.00
TOTAL MASS OF EMISSIONS			857.		

EMISSIONS REPORT FOR METHYL ETHYL SULFIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	36.0	100.00	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR METHYL VINYL KETONE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	66.0	100.00	100.00
TOTAL MASS OF EMISSIONS			66.		

EMISSIONS REPORT FOR 2-METHYL FURAN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	666.2	100.00	100.00
TOTAL MASS OF EMISSIONS			666.		

EMISSIONS REPORT FOR METHYL CHLORIDE (TLV(MG/M**3) 210.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CARBON TETRACHLORIDE - METHANE	B	2	6091.4	25.40	25.40
VINYL ACETATE - FROM ETHYLENE	B	2	4462.6	18.61	44.01
ACETALDEHYDE - HYDRATION OF ETHYLENE	B	2	4414.1	18.41	62.41
METHYLENE CHLORIDE - CHLORINATION OF METHANE	B	2	3243.2	13.52	75.94
METHYL CHLORIDE	C	2	2918.9	12.17	88.11
CHLOROFORM	B	2	1644.8	6.86	94.96
BUTYL RUBBER	C	2	1037.4	4.33	99.29
TETRAETHYL/TETRAMETHYL LEAD	C	2	169.6	0.71	100.00
MSMA	B	2	0.8	0.00	100.00
DSMA	B	2	0.2	0.00	100.00
CACODYLIC ACID	D	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			23982.		

EMISSIONS REPORT FOR METHYL METHACRYLATE (TLV(MG/M**3) 410.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL METHACRYLATE	B	2	727.5	100.00	100.00
TOTAL MASS OF EMISSIONS			727.		

EMISSIONS REPORT FOR METHYLSTYRENE (TLV(MG/M**3) 480.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	1.9	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR METHYLENE DIANILINE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	26.1	100.00	100.00
TOTAL MASS OF EMISSIONS			26.		

EMISSIONS REPORT FOR 2-METHOXYETHANOL (TLV(MG/M**3) 80.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
2-METHOXYETHANOL	C	2	21.9	100.00	100.00
TOTAL MASS OF EMISSIONS			22.		

EMISSIONS REPORT FOR METHYL NAPHTHALENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	17.6	100.00	100.00
TOTAL MASS OF EMISSIONS			18.		

EMISSIONS REPORT FOR METHYL KETONE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MSMA	B	2	0.6	72.80	72.80
DSMA	B	2	0.2	20.92	93.72
CACODYLIC ACID	D	2	0.1	6.28	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR METHYL ALCOHOL (TLV(MG/M**3) 260.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL PARATHION	B	2	23.6	100.00	100.00
TOTAL MASS OF EMISSIONS			24.		

EMISSIONS REPORT FOR METHYL BROMIDE (TLV(MG/M**3) 60.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL BROMIDE	D	2	7.0	100.00	100.00
TOTAL MASS OF EMISSIONS			7.		

EMISSIONS REPORT FOR METHOXYCHLOR (TLV(MG/M**3) 10.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHOXYCHLOR	D	2	2.5	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR MEVINPHOS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MEVINPHOS	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR MINERAL SPIRITS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	12700.3	100.00	100.00
TOTAL MASS OF EMISSIONS			12700.		

EMISSIONS REPORT FOR MOLYBDENUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	217.5	32.06	32.06
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	90.7	13.36	45.43
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	73.7	10.87	56.30
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	59.7	8.80	65.10
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	58.1	8.57	73.66
INDUSTRIAL EXT COMB RESID OIL OTHER		1	55.4	8.17	81.83
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	41.7	6.15	87.98
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	41.7	6.15	94.13
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	11.8	1.73	95.86
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	10.0	1.47	97.34
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	2.6	0.39	97.73
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	2.4	0.35	98.07
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	2.3	0.33	98.41
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	2.2	0.32	98.73
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	2.2	0.32	99.05
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	1.2	0.17	99.22
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	1.0	0.15	99.37
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	0.7	0.10	99.47
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.7	0.10	99.56
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.6	0.09	99.66
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.6	0.09	99.75
RESIDENTIAL EXT COMB BITUMINOUS		1	0.5	0.08	99.82
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.5	0.07	99.89
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.4	0.07	99.96
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.1	0.02	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.1	0.01	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.0	0.01	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			678.		

EMISSIONS REPORT FOR MONOCROTOPHOS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MONOCROTOPHOS	D	2	1.6	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR NABAM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NABAM	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR NALED

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NALED	D	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR NAPHTHA

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DRYCLEANING	C	2	718502.5	89.99	89.99
SOLVENT EVAPORATION - DEGREASING	B	2	79965.1	10.01	100.00
TOTAL MASS OF EMISSIONS			798467.		

EMISSIONS REPORT FOR NAPHTHALENE (TLV(MG/M**3) 50.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	59.7	50.00	50.00
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	58.6	49.11	99.11
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	1.0	0.83	99.90
ACETONE AND PHENOL FROM CUMENE	B	2	0.1	0.06	100.00
CHLOROBENZENE	B	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			119.		

EMISSIONS REPORT FOR NAPHTHOQUINONE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	14900.8	100.00	100.00
TOTAL MASS OF EMISSIONS			14901.		

EMISSIONS REPORT FOR NEODYMIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	327.6	100.00	100.00
TOTAL MASS OF EMISSIONS			328.		

EMISSIONS REPORT FOR NEOPENTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS DISTRIBUTION	B	2	31.9	100.00	100.00
TOTAL MASS OF EMISSIONS			32.		

EMISSIONS REPORT FOR NICKEL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	1997.4	23.43	23.43
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	1360.7	15.96	39.39
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	1271.7	14.92	54.30
INDUSTRIAL EXT COMB RESID OIL OTHER		1	1178.9	13.83	68.13
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	843.6	9.89	78.02
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	627.9	7.36	85.39
FERROALLOY PRODUCTION	C	3	533.0	6.25	91.64
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	227.0	2.66	94.30
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	163.2	1.91	96.21
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	163.2	1.91	98.13
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	48.1	0.56	98.69
MUNICIPAL INCINERATION	B	1	22.7	0.27	98.96
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	10.9	0.13	99.09
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	10.9	0.13	99.22
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	9.1	0.11	99.32
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	9.0	0.11	99.43
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	8.4	0.10	99.53
CEMENT	B	3	6.9	0.08	99.61
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	5.8	0.07	99.67
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	4.8	0.06	99.73
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	4.7	0.06	99.79
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.04	99.83
INCINERATION OF "TYPE 2" WASTE	D	1	2.8	0.03	99.86
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	2.7	0.03	99.89
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	2.4	0.03	99.92
SEWAGE SLUDGE INCINERATION	C	1	1.4	0.02	99.94
INDUSTRIAL EXT COMB LIGNITE STOKER		1	1.3	0.01	99.95
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	1.2	0.01	99.96
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	1.2	0.01	99.98
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.8	0.01	99.99
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.6	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.4	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.2	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
PRESCRIBED BURNING	C	1	0.0	0.00	100.00
AGRICULTURAL OPEN BURNING	B	1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			8526.		

EMISSIONS REPORT FOR NICKEL - SOL COMP (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NICKEL COMPOUNDS - EXCEPT NICKEL SULFATE	C	3	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR NICKEL SULFATE (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NICKEL SULFATE	C	3	9.9	100.00	100.00
TOTAL MASS OF EMISSIONS			10.		

EMISSIONS REPORT FOR NIOBIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1.5	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR NITROBENZENE (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ANILINE	C	2	42.0	93.20	93.20
NITROANILINE	C	2	2.9	6.34	99.55
NITROBENZENE	B	2	0.2	0.45	100.00
TOTAL MASS OF EMISSIONS			45.		

EMISSIONS REPORT FOR NITROPHENOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
P-NITROPHENOL	C	2	11.3	100.00	100.00
TOTAL MASS OF EMISSIONS			11.		

EMISSIONS REPORT FOR NITROCHLOROBENZENE (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NITROCHLOROBENZENE	B	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR NITROSODIMETHYLAMINE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DIMETHYL HYDRAZINE	D	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR NONYLPHENOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NONYLPHENOL	C	2	26.9	100.00	100.00
TOTAL MASS OF EMISSIONS			27.		

EMISSIONS REPORT FOR OCTANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BUTYL OCTYL PHTHALATE	C	2	1.7	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR OIL MIST (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	255.6	100.00	100.00
TOTAL MASS OF EMISSIONS			256.		

EMISSIONS REPORT FOR OLEFINS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
LINEAR ALCOHOLS - ZIEGLER PROCESS	C	2	34.0	100.00	100.00
TOTAL MASS OF EMISSIONS			34.		

EMISSIONS REPORT FOR OLEIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHENYLMERCURY OLEATE	D	2	907.3	100.00	100.00
TOTAL MASS OF EMISSIONS			907.		

EMISSIONS REPORT FOR ORGANIC ACIDS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COVERED WIRE INCINERATION	D	1	165.3	41.59	41.59
ELECTRICAL EQUIPMENT WINDING RECLAMATION	D	1	120.2	30.62	72.21
MEAT SMOKEHOUSES	D	2	68.1	17.34	89.55
AUTOBODY INCINERATION	B	1	39.1	9.95	99.50
BRAKE SHOE DEBONDING	D	1	2.0	0.50	100.00
TOTAL MASS OF EMISSIONS			393.		

EMISSIONS REPORT FOR OSMIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	5.5	100.00	100.00
TOTAL MASS OF EMISSIONS			5.		

EMISSIONS REPORT FOR OXALIC ACID (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
AMMONIUM OXALATE	D	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR PALLADIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR PARAFINS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
LINEAR ALCOHOLS - ZIEGLER PROCESS	C	2	22.7	100.00	100.00
TOTAL MASS OF EMISSIONS			23.		

EMISSIONS REPORT FOR PARATHION (TLV(MG/M**3) 0.1)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
METHYL PARATHION	B	2	23.6	75.10	75.10
PARATHION	B	2	7.7	24.55	99.64
PARATHION	B	2	0.1	0.34	100.00
METHYL PARATHION	B	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			31.		

EMISSIONS REPORT FOR PENTANE (TLV(MG/M**3) 1800.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	43545.6	54.08	54.08
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	10905.4	13.54	67.63
NATURAL GAS DISTRIBUTION	B	2	9244.6	11.48	79.11
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	8298.7	10.30	89.41
PETROLEUM EXTRACTION	B	2	4953.7	6.15	95.56
NATURAL GAS EXTRACTION	B	2	2174.6	2.70	98.26
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	1312.9	1.63	99.89
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	54.4	0.07	99.96
ACRYLONITRILE	A	2	34.4	0.04	100.00
TOTAL MASS OF EMISSIONS			80516.		

EMISSIONS REPORT FOR PENTENE-1

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	4399.9	96.95	96.95
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	133.1	2.93	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	5.4	0.12	100.00
TOTAL MASS OF EMISSIONS			4538.		

EMISSIONS REPORT FOR PENTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	6722.5	100.00	100.00
TOTAL MASS OF EMISSIONS			6722.		

EMISSIONS REPORT FOR PENTACHLOROBENZENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHLOROBENZENE	B	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR PENTACHLOROPHENOL (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PENTACHLOROPHENOL AND SODIUM SALTS	B	2	13.0	100.00	100.00
TOTAL MASS OF EMISSIONS			13.		

EMISSIONS REPORT FOR PHENOL (TLV(MG/M**3) 19.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB WOOD		1	7223.5	94.15	94.15
ACETONE AND PHENOL FROM CUMENE	B	2	233.8	3.05	97.19
BISPHENOL-A	C	2	73.9	0.96	98.16
NONYLPHENOL	C	2	53.7	0.70	98.86
PENTACHLOROPHENOL AND SODIUM SALTS	B	2	25.6	0.31	99.17
P-NITROPHENOL	C	2	22.5	0.29	99.46
TRICHLOROPHENOLS	C	2	11.3	0.15	99.61
SALICYLIC ACID	C	2	9.3	0.12	99.73
CHLOROPHENOL	C	2	6.4	0.08	99.81
POLYVINYL CHLORIDE	A	2	4.5	0.06	99.87
POLYCARBONATE RESINS	B	2	3.9	0.05	99.92
CRESYLDIPHENYL PHOSPHATE	C	2	3.3	0.04	99.96
SILVEX	D	2	1.4	0.02	99.98
OCTYLPHENOL	C	2	0.8	0.01	99.99
SALICYLATES - EXCLUDING ASPIRIN	C	2	0.6	0.01	100.00
TOTAL MASS OF EMISSIONS			7673.		

EMISSIONS REPORT FOR 2-PHENYL-2-PROPANOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETONE AND PHENOL FROM CUMENE	B	2	0.7	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR PHORATE (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHORATE	D	2	2.3	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR PHOSPHORUS (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	464.1	67.46	67.46
RESIDENTIAL EXT COMB WOOD		1	216.7	31.50	98.96
PHOSPHORUS TRICHLORIDE		3	3.6	0.53	99.49
PHOSPHORUS PENTASULFIDE		3	3.4	0.50	99.99
RESIDENTIAL EXT COMB LIGNITE		1	0.1	0.01	100.00
TOTAL MASS OF EMISSIONS			688.		

EMISSIONS REPORT FOR PHOSPHORUS CMPDS

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FERTILIZER MIXING - AMMONIATION - GRANULATION PLANTS	B	3	44.6	98.96	98.96
FERTILIZER MIXING - LIQUID MIX PLANTS	B	3	0.5	1.04	100.00
TOTAL MASS OF EMISSIONS			45.		

EMISSIONS REPORT FOR PHOSPHORIC ACID MIST (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHORIC ACID - THERMAL PROCESS	A	3	606.2	100.00	100.00
TOTAL MASS OF EMISSIONS			606.		

EMISSIONS REPORT FOR PHOSGENE (TLV(MG/M**3) 0.400)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	26.1	98.49	98.49
PHOSGENE	B	2	0.4	1.36	99.85
POLYCARBONATE RESINS	B	2	0.0	0.15	100.00
TOTAL MASS OF EMISSIONS			26.		

EMISSIONS REPORT FOR PHOSPHAMIDION

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHAMIDION	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR PHOSPHORUS TRICHLORI (TLV(MG/M**3) 3.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHORUS TRICHLORIDE		3	3.6	100.00	100.00
TOTAL MASS OF EMISSIONS			4.		

EMISSIONS REPORT FOR PHOSPHORUS PENTASULF (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHORUS PENTASULFIDE		3	3.4	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR PHTHALIC ANHYDRIDE (TLV(MG/M**3) 6.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DI-2-ETHYLHEXYL PHTHALATE	C	2	384.8	36.33	36.33
POLYESTER RESINS - UNSATURATED	C	2	223.1	21.06	57.39
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	214.1	20.21	77.60
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	132.5	12.50	90.10
DIISODECYL PHTHALATE	C	2	77.4	7.31	97.41
DIISOOCTAL PHTHALATE	C	2	19.7	1.86	99.27
DIMETHYL PHTHALATE	C	2	5.0	0.47	99.74
BUTYL OCTYL PHTHALATE	C	2	2.7	0.26	100.00
TOTAL MASS OF EMISSIONS			1059.		

EMISSIONS REPORT FOR PHOSPHAMIDION

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHAMIDION	D	2	0.2	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR PHOSPHORUS TRICHLORI (TLV(MG/M**3) 3.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHORUS TRICHLORIDE		3	3.6	100.00	100.00
TOTAL MASS OF EMISSIONS			4.		

EMISSIONS REPORT FOR PHOSPHORUS PENTASULF (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHOSPHORUS PENTASULFIDE		3	3.4	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR PHTHALIC ANHYDRIDE (TLV(MG/M**3) 6.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DI-2-ETHYLHEXYL PHTHALATE	C	2	384.8	36.33	36.33
POLYESTER RESINS - UNSATURATED	C	2	223.1	21.06	57.39
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	214.1	20.21	77.60
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	132.5	12.50	90.10
DIISODECYL PHTHALATE	C	2	77.4	7.31	97.41
DIISOOCTAL PHTHALATE	C	2	19.7	1.86	99.27
DIMETHYL PHTHALATE	C	2	5.0	0.47	99.74
BUTYL OCTYL PHTHALATE	C	2	2.7	0.26	100.00
TOTAL MASS OF EMISSIONS			1059.		

EMISSIONS REPORT FOR A-PINENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TOXAPHENE	C	2	49.9	100.00	100.00
TOTAL MASS OF EMISSIONS			50.		

EMISSIONS REPORT FOR PLATINUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	8.2	100.00	100.00
TOTAL MASS OF EMISSIONS			8.		

EMISSIONS REPORT FOR POM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	5812.5	82.22	82.22
COKE MANUFACTURE	D	3	632.5	8.95	91.17
RESIDENTIAL EXT COMB BITUMINOUS		1	241.9	3.42	94.59
RESIDENTIAL EXT COMB WOOD		1	216.7	3.07	97.65
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	40.9	0.58	98.23
PRESCRIBED BURNING	C	1	39.9	0.56	98.80
ASPHALT ROOFING	C	2	14.6	0.21	99.00
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	13.6	0.19	99.20
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	7.0	0.10	99.30
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	6.6	0.09	99.39
RESIDENTIAL EXT COMB GAS		1	5.7	0.08	99.47
RESIDENTIAL EXT COMB DIST OIL		1	4.7	0.07	99.54
ASPHALT PAVING - HOT MIX	A	2	3.9	0.05	99.59
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	3.6	0.05	99.64
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	3.4	0.05	99.69
CARBON BLACK - FURNACE	A	2	2.8	0.04	99.73
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	2.3	0.03	99.76
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	1.6	0.02	99.79
INDUSTRIAL EXT COMB GAS OTHER		1	1.6	0.02	99.81
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	1.5	0.02	99.83
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	1.2	0.02	99.84
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	1.2	0.02	99.86
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	1.1	0.02	99.88
COMMERCIAL/INSTITUTIONAL EXT COMB GAS OTHER		1	1.1	0.02	99.89
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	0.9	0.01	99.91
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	0.9	0.01	99.92
CHARCOAL MANUFACTURE	C	1	0.9	0.01	99.93

INDUSTRIAL EXT COMB RESID OIL OTHER		1	0.9	0.01	99.94
RESIDENTIAL EXT COMB ANTHRACITE		1	0.9	0.01	99.95
INDUSTRIAL EXT COMB LIGNITE STOKER		1	0.5	0.01	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.4	0.01	99.97
INDUSTRIAL EXT COMB GAS TANG FIRE		1	0.4	0.01	99.97
INDUSTRIAL EXT COMB DIST OIL OTHER		1	0.3	0.00	99.98
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.3	0.00	99.98
ELECTRICITY GENERATION EXT COMB GAS OTHER		1	0.2	0.00	99.98
BARIUM CHEMS - CARBONATE,CHLORIDE,HYDROXIDE,SULFATE,SULFIDE	C	3	0.2	0.00	99.99
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	0.2	0.00	99.99
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	0.1	0.00	99.99
ASPHALT PAVING - DRYER DRUM PROCESS	D	2	0.1	0.00	99.99
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.1	0.00	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB GAS TANG FIRE		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.1	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB GAS TANG FIRE		1	0.1	0.00	100.00
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.0	0.00	100.00
PETROLEUM REFINING - ASPHALT PLANT	B	2	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	0.0	0.00	100.00
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			7069.		

EMISSIONS REPORT FOR POTASSIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB WOOD		1	794.6	43.18	43.18
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	627.9	34.12	77.29
RESIDENTIAL EXT COMB BITUMINOUS		1	397.4	21.59	98.89
RESIDENTIAL EXT COMB ANTHRACITE		1	20.4	1.11	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			1840.		

EMISSIONS REPORT FOR PRASEODYMIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	57.3	100.00	100.00
TOTAL MASS OF EMISSIONS			57.		

EMISSIONS REPORT FOR PROPANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
NATURAL GAS PROCESSING	B	2	380995.3	50.61	50.61
NATURAL GAS DISTRIBUTION	B	2	228654.0	29.51	79.92
PETROLEUM REFINING - BLENDING AND STORAGE	C	2	58035.0	7.71	87.63
PETROLEUM EXTRACTION	B	2	34675.7	4.61	92.24
ACRYLONITRILE	A	2	18920.6	2.51	94.75
NATURAL GAS EXTRACTION	B	2	15222.4	2.02	96.77
PETROLEUM REFINING - VACUUM DISTILLATION	B	2	11951.1	1.59	98.36
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	9979.2	1.33	99.69
ACETIC ANHYDRIDE	B	2	1033.4	0.14	99.83
N-BUTYRALDEHYDE	C	2	487.2	0.06	99.88
CARBON BLACK - FURNACE	A	2	342.1	0.05	99.92
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	310.0	0.04	99.97
POLYPROPYLENE	B	2	150.3	0.02	99.99
ACROLEIN	B	2	87.6	0.01	100.00
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	12.5	0.00	100.00
ISOPROPANOL - DIRECT HYDRATION	B	2	2.2	0.00	100.00
CUMENE SULFONATE - AMMONIUM SALT	D	2	1.1	0.00	100.00
CUMENE SULFONIC ACID	D	2	1.1	0.00	100.00
TOTAL MASS OF EMISSIONS			752781.		

EMISSIONS REPORT FOR PROPIONALDEHYDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	1488.5	99.65	99.65
ACRYLONITRILE	A	2	5.2	0.35	100.00
TOTAL MASS OF EMISSIONS			1494.		

EMISSIONS REPORT FOR PROPENE NITRITE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	102.0	100.00	100.00
TOTAL MASS OF EMISSIONS			102.		

EMISSIONS REPORT FOR PROPADIENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACETIC ANHYDRIDE	B	2	914.2	100.00	100.00
TOTAL MASS OF EMISSIONS			914.		

EMISSIONS REPORT FOR PROPANOL (TLV(MG/M**3) 500.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
N-PROPYL ALCOHOL	D	2	56.5	96.14	96.14
LINEAR ALCOHOLS - ZIEGLER PROCESS	C	2	2.3	3.86	100.00
TOTAL MASS OF EMISSIONS			59.		

EMISSIONS REPORT FOR PROPIONIC ACID

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DALAPON	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR PROPYLENE GLYCOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE GLYCOL	C	2	376.6	60.33	60.33
POLYESTER RESINS - UNSATURATED	C	2	223.1	35.74	96.07
POLYURETHANE ELASTOMER	C	2	11.2	1.80	97.87
POLYURETHANE SURFACE COATING RESINS	D	2	11.2	1.80	99.67
POLYURETHANE FIBERS	D	2	2.0	0.33	100.00
TOTAL MASS OF EMISSIONS			624.		

EMISSIONS REPORT FOR PROPYLENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	28388.8	75.60	75.60
ETHYLENE - PROPYLENE TERPOLYMER	B	2	4126.2	10.99	86.59
ACROLEIN	B	2	1777.7	4.74	91.33
POLYPROPYLENE	B	2	1502.7	4.00	95.33
NONENE - NON-LINEAR	C	2	707.6	1.88	97.22
N-BUTYRALDEHYDE	C	2	407.2	1.08	98.30
PROPYLENE TETRAMER	C	2	313.0	0.83	99.13
PROPYLENE TRIMER	C	2	210.9	0.56	99.70
DODECENE - NON-LINEAR	C	2	105.2	0.28	99.98
ALLYL CHLORIDE	B	2	3.5	0.01	99.99
ISOPROPANOL - DIRECT HYDRATION	B	2	2.2	0.01	99.99
CUMENE SULFONATE - AMMONIUM SALT	D	2	1.1	0.00	99.99
CUMENE SULFONIC ACID	D	2	1.1	0.00	100.00
OCTYLPHENOL	C	2	0.8	0.00	100.00
POLYVINYL CHLORIDE	A	2	0.2	0.00	100.00
TOTAL MASS OF EMISSIONS			37540.		

EMISSIONS REPORT FOR PROPYLENE OXIDE (TLV(MG/M**3) 240.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYESTER POLYOLS	C	2	81.0	100.00	100.00
TOTAL MASS OF EMISSIONS			81.		

EMISSIONS REPORT FOR PYRIDINE (TLV(MG/M**3) 15.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ACRYLONITRILE	A	2	2218.9	100.00	100.00
TOTAL MASS OF EMISSIONS			2219.		

EMISSIONS REPORT FOR PYRROLE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
COFFEE ROASTING	C	2	84.0	100.00	100.00
TOTAL MASS OF EMISSIONS			84.		

EMISSIONS REPORT FOR QUINONE (TLV(MG/M**3) 0.400)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
HYDROQUINONE	C	2	6.0	100.00	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR RESORCINOL (TLV(MG/M**3) 45.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESORCINOL	D	2	5.7	100.00	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR RHENIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	5.5	100.00	100.00
TOTAL MASS OF EMISSIONS			5.		

EMISSIONS REPORT FOR RHODIUM (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR RONNEL (TLV(MG/M**3) 10.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RONNEL	D	2	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR ROPE FIBRES

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
MANUFACTURE AND PROCESSING OF ROPE	C	2	46.7	100.00	100.00
TOTAL MASS OF EMISSIONS			47.		

EMISSIONS REPORT FOR RUBIDIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1010.0	100.00	100.00
TOTAL MASS OF EMISSIONS			1010.		

EMISSIONS REPORT FOR RUTHENIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL ExT COMB BITUMINOUS PULV DRY BOTH		1	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR SAMARIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL ExT COMB BITUMINOUS PULV DRY BOTH		1	0.5	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR SCANDIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL ExT COMB BITUMINOUS PULV DRY BOTH		1	1.4	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR SELENIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	471.2	49.89	49.89
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	89.8	9.51	59.41
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	89.8	9.51	68.92
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	D	1	61.2	6.48	75.40
PRIMARY COPPER SMELTING	C	3	47.9	5.07	80.47
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	43.7	4.63	85.10
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	38.1	4.04	89.13
PRIMARY ZINC SMELTING	C	3	25.8	2.74	91.87
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	25.6	2.71	94.58
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	10.0	1.06	95.63
PRIMARY LEAD SMELTING AND REFINING	C	3	6.4	0.67	96.31
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	6.3	0.67	96.98
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	5.4	0.57	97.55
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	4.6	0.49	98.04
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	3.9	0.41	98.46
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	3.6	0.38	98.83
INDUSTRIAL EXT COMB RESID OIL OTHER		1	3.4	0.36	99.20
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	3.1	0.33	99.52
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1.5	0.16	99.69
SECONDARY ZINC SMELTING	C	3	0.9	0.09	99.78
SECONDARY LEAD SMELTING AND REFINING	D	3	0.7	0.07	99.85
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.6	0.07	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.3	0.03	99.95
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.1	0.01	99.96
RESIDENTIAL EXT COMB BITUMINOUS		1	0.1	0.01	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.1	0.01	99.98
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	0.1	0.01	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.0	0.00	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			944.		

EMISSIONS REPORT FOR SILICON

(TLV(MG/M**3) 10.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
RESIDENTIAL EXT COMB BITUMINOUS		1	4665.3	86.44	86.44
RESIDENTIAL EXT COMB WOOD		1	361.2	6.69	93.13
RESIDENTIAL EXT COMB ANTHRACITE		1	230.0	4.26	97.39
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	139.2	2.58	99.97
RESIDENTIAL EXT COMB LIGNITE		1	1.7	0.03	100.00
TOTAL MASS OF EMISSIONS			5397.		

EMISSIONS REPORT FOR SILVER (TLV(MG/M**3) 0.010)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	23.2	92.75	92.75
SILVER COMPOUNDS - NOS. DIFLUORIDE, FLUOROBORATE, SO4	D	3	1.8	7.25	100.00
TOTAL MASS OF EMISSIONS			25.		

EMISSIONS REPORT FOR SODIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1501.4	96.35	96.35
RESIDENTIAL EXT COMB BITUMINOUS		1	51.8	3.33	99.68
RESIDENTIAL EXT COMB ANTHRACITE		1	4.3	0.27	99.95
RESIDENTIAL EXT COMB LIGNITE		1	0.7	0.05	100.00
TOTAL MASS OF EMISSIONS			1558.		

EMISSIONS REPORT FOR SODIUM CARBONATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SCOURING WOOL FIBRES	D	2	0.7	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR SODIUM PENTACHLOROPH

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PENTACHLOROPHENOL AND SODIUM SALTS	B	2	51.9	100.00	100.00
TOTAL MASS OF EMISSIONS			52.		

EMISSIONS REPORT FOR STRONTIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	120.1	100.00	100.00
TOTAL MASS OF EMISSIONS			120.		

EMISSIONS REPORT FOR STYRENE

(TLV(MG/M**3) 420.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYSTYRENE RESIN	C	2	5399.2	95.99	95.99
POLYESTER RESINS - UNSATURATED	C	2	223.1	3.97	99.96
ACRYLONITRILE - BUTADIENE - STYRENE RESIN	C	2	2.4	0.04	100.00
STYRENE - BUTADIENE COPOLYMER RESINS	B	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			5625.		

EMISSIONS REPORT FOR SULFATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	491.4	100.00	100.00
TOTAL MASS OF EMISSIONS			491.		

EMISSIONS REPORT FOR SULFUR VAPOR

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PETROLEUM REFINING - SULFUR PLANT	B	2	20447.4	100.00	100.00
TOTAL MASS OF EMISSIONS			20447.		

EMISSIONS REPORT FOR SULFURIC ACID (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SULFURIC ACID	B	3	6065.9	93.93	93.93
PRODUCTION OF LEAD-ACID BATTERIES	C	3	405.6	6.25	99.68
CHLOROSULFONIC ACID	C	2	14.1	0.22	99.90
CARBONIZING WOOL FIBRES	D	2	5.5	0.08	99.98
SALICYLIC ACID	C	2	0.9	0.01	100.00
SALICYLATES - EXCLUDING ASPIRIN	C	2	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			6492.		

EMISSIONS REPORT FOR SULFUR TRIOXIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
BRICK AND TILE KILNS AND DRYERS	C	3	3916.3	81.83	81.83
SULFURIC ACID	B	3	848.4	17.73	99.55
CHLOROSULFONIC ACID - INORGANIC ACIDS	D	3	21.3	0.45	100.00
TOTAL MASS OF EMISSIONS			4786.		

EMISSIONS REPORT FOR TALC

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLOROPRENE	A	2	37.9	100.00	100.00
TOTAL MASS OF EMISSIONS			38.		

EMISSIONS REPORT FOR TANTALUM (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.3	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TELLURIUM (TLV(MG/M**3) 0.100)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	18.1	50.26	50.26
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	9.3	25.74	76.01
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	3.4	9.55	85.56
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	3.4	9.55	95.11
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1.0	2.77	97.87
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.2	0.58	98.45
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.2	0.53	98.98
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.2	0.50	99.48
RESIDENTIAL EXT COMB BITUMINOUS		1	0.1	0.19	99.67
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.1	0.14	99.82
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.08	99.89
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.03	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.0	0.03	99.95
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.0	0.03	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.0	0.02	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			36.		

EMISSIONS REPORT FOR TEPP (TLV(MG/M**3) 0.050)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TEPP	D	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TERBIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	8.7	100.00	100.00
TOTAL MASS OF EMISSIONS			9.		

EMISSIONS REPORT FOR TETRACHLOROETHYLENE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DRYCLEANING	C	2	1447891.0	95.65	95.65
SOLVENT EVAPORATION - DEGREASING	B	2	65853.6	4.35	100.00
DICHLOROTETRAFLUOROETHANE	C	2	15.1	0.00	100.00
PERCHLOROETHYLENE - FROM TRICHLOROETHYLENE	B	2	15.0	0.00	100.00
TRICHLOROETHYLENE - FROM ACETYLENE	B	2	2.9	0.00	100.00
TOTAL MASS OF EMISSIONS			1513778.		

EMISSIONS REPORT FOR TETRACHLOROBENZENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHLOROBENZENE	B	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TETRACHLOROBUTANE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYCHLOROPRENE	A	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TETRACHLOROETHANE (TLV(MG/M**3) 35.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TRICHLOROETHYLENE - FROM ETHYLENE	B	2	9.4	100.00	100.00
TOTAL MASS OF EMISSIONS			9.		

EMISSIONS REPORT FOR THALLIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	6.1	51.15	51.15
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1.	2.7	22.99	74.13
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	1.2	9.93	84.06
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	1.2	9.93	93.98
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	0.3	2.83	96.81
RESIDENTIAL EXT COMB BITUMINOUS		1	0.1	1.02	97.83
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	0.1	0.56	98.39
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.1	0.53	98.92
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.1	0.49	99.40
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.0	0.23	99.63
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.0	0.15	99.78
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.0	0.08	99.86
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	0.0	0.08	99.94
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.03	99.97
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.0	0.02	99.99
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.01	100.00
TOTAL MASS OF EMISSIONS			12.		

EMISSIONS REPORT FOR THORIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	1.3	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR THULIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	2.7	100.00	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR TIN

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM		1	354.9	71.63	71.63
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM		1	57.1	11.53	83.16
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER		1	13.6	2.75	85.91
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE		1	13.6	2.74	88.65
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM		1	10.9	2.20	90.86
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	10.9	2.20	93.04
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM		1	5.0	1.01	94.05
INDUSTRIAL EXT COMB DIST OIL OTHER		1	4.3	0.86	94.91
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER		1	3.5	0.71	95.63
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	3.2	0.64	96.27
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE		1	2.3	0.46	96.73
INDUSTRIAL INT COMB DIST OIL RECIP ENG		1	1.8	0.37	97.09
TIN COMPOUNDS - HALIDES, OXIDES, SULFATES, OTHERS	C	3	1.7	0.35	97.44
RESIDENTIAL EXT COMB BITUMINOUS		1	1.7	0.35	97.79
RESIDENTIAL EXT COMB ANTHRACITE		1	1.7	0.34	98.14
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM		1	1.3	0.26	98.39
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	1.3	0.26	98.65
INDUSTRIAL EXT COMB LIGNITE STOKER		1	1.2	0.24	98.89
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.8	0.17	99.05
INDUSTRIAL EXT COMB DIST OIL TANG FIRE		1	0.8	0.16	99.22
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE		1	0.7	0.15	99.37
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM		1	0.6	0.13	99.50
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.6	0.12	99.62
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	0.6	0.12	99.74
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG		1	0.3	0.05	99.79
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.2	0.04	99.83
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL		1	0.2	0.04	99.88
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	0.2	0.03	99.91
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM		1	0.1	0.02	99.93
RESIDENTIAL EXT COMB DIST OIL		1	0.1	0.02	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.1	0.02	99.97
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	0.0	0.01	99.98
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.0	0.01	99.99
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	0.0	0.01	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			495.		

EMISSIONS REPORT FOR TIN COMPOUNDS (TLV(MG/M**3) 2.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FLAT GLASS, PRESSED AND BLOWN GLASS, AND GLASS CONTAINERS	A	3	852.0	100.00	100.00
TOTAL MASS OF EMISSIONS			852.		

EMISSIONS REPORT FOR TITANIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	35367.9	66.25	66.25
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	6703.3	12.56	78.81
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	6703.3	12.56	91.36
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	1995.4	3.74	95.10
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	389.9	0.73	95.83
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	364.0	0.68	96.51
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	343.7	0.64	97.16
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	278.3	0.51	97.66
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	218.0	0.41	98.07
RESIDENTIAL EXT COMB BITUMINOUS		1	155.5	0.29	98.36
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	145.0	0.27	98.63
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	136.1	0.25	98.89
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	127.1	0.24	99.13
INDUSTRIAL EXT COMB RESID OIL OTHER		1	126.9	0.24	99.36
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	99.9	0.19	99.55
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	69.9	0.13	99.68
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	57.2	0.11	99.79
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	31.7	0.06	99.85
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	24.5	0.05	99.89
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	23.6	0.04	99.94
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	15.2	0.03	99.97
RESIDENTIAL EXT COMB ANTHRACITE		1	12.8	0.02	99.99
RESIDENTIAL EXT COMB WOOD		1	3.6	0.01	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	1.2	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.1	0.00	100.00
TOTAL MASS OF EMISSIONS			53386.		

EMISSIONS REPORT FOR TITANIUM DIOXIDE (TLV(MG/M**3) 10.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TITANIUM DIOXIDE - PIGMENT	8	3	4277.7	100.00	100.00
TOTAL MASS OF EMISSIONS			4278.		

EMISSIONS REPORT FOR TOLUENE (TLV(MG/M**3) 375.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	6804.0	37.32	37.32
SOLVENT EVAPORATION - DEGREASING	B	2	6115.0	33.54	70.87
ETHYLENE - PROPYLENE TERPOLYMER	B	2	4195.0	23.01	93.88
POLYCHLOROPRENE	A	2	459.0	2.52	96.40
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	200.6	1.10	97.50
BENZOIC ACID	C	2	158.0	0.87	98.36
ETHYLENE-PROPYLENE RUBBER	C	2	130.0	0.71	99.08
ACRYLONITRILE	A	2	63.6	0.35	99.42
BENZYL CHLORIDE	C	2	48.5	0.27	99.69
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	35.8	0.20	99.89
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	8.5	0.05	99.93
MALATHION	C	2	6.8	0.04	99.97
TOLUENE SULFONIC ACID	D	2	4.1	0.02	99.99
DIMETHOATE	C	2	0.7	0.00	100.00
RONNEL	D	2	0.5	0.00	100.00
CHLOROBENZENE	B	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			18239.		

EMISSIONS REPORT FOR TOLUENE DIISOCYANATE (TLV(MG/M**3) 0.140)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYMETHYLENE POLYPHENYL ISOCYANATE	C	2	26.1	51.56	51.56
POLYURETHANE ELASTOMER	C	2	11.2	22.21	73.77
POLYURETHANE SURFACE COATING RESINS	D	2	11.2	22.20	95.96
POLYURETHANE FIBERS	D	2	2.0	4.04	100.00
TOTAL MASS OF EMISSIONS			51.		

EMISSIONS REPORT FOR TOLUENE SULFONIC ACI

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TOLUENE SULFONATE - HYDROTROPE	C	2	3.6	100.00	100.00
TOTAL MASS OF EMISSIONS			4.		

EMISSIONS REPORT FOR O-TOLUENESULFONAMIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SACCHARIN - VIA O-TOLUENE SULFONAMIDE	C	2	0.7	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR TOXAPHENE (TLV(MG/M**3) 0.500)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TOXAPHENE	C	2	14.0	100.00	100.00
TOXAPHENE	C	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			14.		

EMISSIONS REPORT FOR TRANS-2-PENTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	4037.0	96.94	96.94
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	122.2	2.93	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	5.1	0.12	100.00
TOTAL MASS OF EMISSIONS			4164.		

EMISSIONS REPORT FOR TRANS-2-BUTENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	B	2	3719.5	96.98	96.98
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	B	2	111.2	2.90	99.88
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	B	2	4.7	0.12	100.00
TOTAL MASS OF EMISSIONS			3835.		

EMISSIONS REPORT FOR TRICHLOROETHYLENE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	117595.8	93.58	93.58
TRICHLOROETHYLENE - FROM ETHYLENE	B	2	5352.0	4.26	97.84
1,1,1-TRICHLOROETHANE	B	2	2568.3	2.04	99.88
PERCHLOROETHYLENE - FROM TRICHLOROETHYLENE	B	2	139.7	0.11	99.99
TRICHLOROETHYLENE - FROM ACETYLENE	B	2	10.0	0.01	100.00
TOTAL MASS OF EMISSIONS			125666.		

EMISSIONS REPORT FOR 1,1,1-TRICHLOROETHAN (TLV(MG/M**3) 1900.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	103484.3	99.97	99.97
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	29.3	0.03	100.00
TOTAL MASS OF EMISSIONS			103514.		

EMISSIONS REPORT FOR TRICHLOROPROPANE (TLV(MG/M**3) 300.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	B	2	596.7	100.00	100.00
TOTAL MASS OF EMISSIONS			597.		

EMISSIONS REPORT FOR TRICHLOROBENZENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHLOROBENZENE	B	2	0.0	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TRICHLOROFLUOROMETHA

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
DICHLORODIFLUOROMETHANE	C	2	84.9	100.00	100.00
TOTAL MASS OF EMISSIONS			85.		

EMISSIONS REPORT FOR TRICHLORFON

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TRICHLORFON - DIPTEREX	D	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR TRICHLOROPHENOL

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
TRICHLOROPHENOLS	C	2	5.7	89.29	89.29
SILVEX	D	2	0.7	10.71	100.00
TOTAL MASS OF EMISSIONS			6.		

EMISSIONS REPORT FOR TRIETHYLAMINE (TLV(MG/M**3) 100.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
FISH AND SEAFOOD CANNING	C	2	340.3	100.00	100.00
TOTAL MASS OF EMISSIONS			340.		

EMISSIONS REPORT FOR TRIMETHYLAMINE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
CHOLINE CHLORIDE	C	2	31.6	100.00	100.00
TOTAL MASS OF EMISSIONS			32.		

EMISSIONS REPORT FOR TUNGSTEN (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	7.6	100.00	100.00
TOTAL MASS OF EMISSIONS			8.		

EMISSIONS REPORT FOR URANIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	907.3	58.95	58.95
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	172.4	11.20	70.15
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	172.4	11.20	81.35
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	54.2	3.52	84.88
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	49.9	3.24	88.12
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	38.2	2.48	90.60
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	37.1	2.41	93.01
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	35.6	2.31	95.32
INDUSTRIAL EXT COMB RESID OIL OTHER		1	33.5	2.18	97.50
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	10.0	0.65	98.14
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	9.1	0.59	98.73
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	9.0	0.58	99.32
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	6.3	0.41	99.72
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	2.4	0.16	99.88
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.6	0.04	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.4	0.02	99.95
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.3	0.02	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	0.3	0.02	99.98
RESIDENTIAL EXT COMB BITUMINOUS		1	0.2	0.01	99.99
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	0.1	0.00	100.00
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			1539.		

EMISSIONS REPORT FOR VANADIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER	C	1	2265.9	19.68	19.68
STEEL PRODUCTION		3	1814.6	15.76	35.45
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	1724.7	14.98	50.43
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	1542.4	13.40	63.83
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	1452.8	12.62	76.45
INDUSTRIAL EXT COMB RESID OIL OTHER		1	1359.2	11.81	88.26
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	316.9	2.75	91.01
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	316.9	2.75	93.76
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	254.8	2.21	95.97
FERROALLOY PRODUCTION	C	3	124.7	1.08	97.05
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	109.2	0.95	98.00
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	90.7	0.79	98.79
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	18.1	0.16	98.95
IRON FOUNDRIES	C	3	17.8	0.15	99.10
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	17.2	0.15	99.25
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	17.2	0.15	99.40
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	16.3	0.14	99.54
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	11.8	0.10	99.65
MUNICIPAL INCINERATION	B	1	7.6	0.07	99.71
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	4.4	0.04	99.75
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	4.4	0.04	99.79
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	4.3	0.04	99.82
INDUSTRIAL EXT COMB LIGNITE STOKER		1	3.8	0.03	99.86
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.03	99.89
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	3.4	0.03	99.92
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	3.0	0.03	99.94
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	1.8	0.02	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	1.3	0.01	99.97
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	1.1	0.01	99.98
INCINERATION OF "TYPE 2" WASTE	D	1	0.9	0.01	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	0.7	0.01	99.99
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.7	0.01	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.2	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			11511.		

EMISSIONS REPORT FOR VANADIUM CATALYST

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PHTHALIC ANHYDRIDE - NAPHTHALENE	A	2	1.7	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR VERMICULITE DUST

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
EXFOLIATED VERMICULITE	C	5	1365.0	100.00	100.00
TOTAL MASS OF EMISSIONS			1365.		

EMISSIONS REPORT FOR VERNOLATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
VERNOLATE	D	2	1.1	100.00	100.00
TOTAL MASS OF EMISSIONS			1.		

EMISSIONS REPORT FOR VINYL ACETATE (TLV(MG/M**3) 30.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
VINYL ACETATE - FROM ACETYLENE	B	2	267.5	39.21	39.21
POLYVINYL ACETATE RESINS	B	2	226.4	33.21	72.42
VINYL ACETATE - FROM ETHYLENE	B	2	188.0	27.58	100.00
TOTAL MASS OF EMISSIONS			682.		

EMISSIONS REPORT FOR VINYL CHLORIDE (TLV(MG/M**3) 0.001)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYVINYL CHLORIDE	A	2	78639.6	87.49	87.49
VINYL CHLORIDE - ETHYLENE DICHLORIDE	B	2	10357.0	11.52	99.02
VINYL CHLORIDE - ACETYLENE	B	2	530.7	0.59	99.61
CAPROLACTAM	C	2	155.1	0.17	99.78
1,1,1-TRICHLOROETHANE	B	2	135.2	0.15	99.93
POLYVINYLVINYLIDENE CHLORIDE	D	2	61.9	0.07	100.00
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			89880.		

EMISSIONS REPORT FOR VINYLIDENE CHLORIDE (TLV(MG/M**3) 40.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYVINYLVINYLIDENE CHLORIDE	D	2	61.9	91.88	91.88
ETHYLENE DICHLORIDE - OXYHYDROCHLORINATION	B	2	5.3	7.83	99.70
POLYVINYL CHLORIDE	A	2	0.2	0.30	100.00
TOTAL MASS OF EMISSIONS			67.		

EMISSIONS REPORT FOR VINYL ACETYLENE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
POLYVINYL CHLORIDE	A	2	0.1	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR VINYL BROMIDE (TLV(MG/M**3) 1100.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
VINYL BROMIDE	D	2	4.4	98.99	98.99
POLYVINYL CHLORIDE	A	2	0.0	1.01	100.00
TOTAL MASS OF EMISSIONS			4.		

EMISSIONS REPORT FOR XYLENE (TLV(MG/M**3) 435.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
SOLVENT EVAPORATION - DEGREASING	B	2	22578.4	89.59	89.59
MALEIC ANHYDRIDE FROM BENZENE	B	2	2246.0	8.91	98.50
TEREPHTHALIC ACID	B	2	367.4	1.46	99.96
XYLENE SULFONATE - SODIUM SALT	C	2	8.5	0.03	99.99
XYLENE SULFONATE - AMMONIUM SALT	C	2	1.1	0.00	99.99
XYLENE SULFONATE - POTASSIUM SALT	C	2	0.9	0.00	100.00
PHTHALIC ANHYDRIDE - O-XYLENE	A	2	0.7	0.00	100.00
TOTAL MASS OF EMISSIONS			25203.		

EMISSIONS REPORT FOR YTTERBIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	26.8	100.00	100.00
TOTAL MASS OF EMISSIONS			27.		

EMISSIONS REPORT FOR YTTRIUM (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	3.0	97.22	97.22
RESIDENTIAL EXT COMB ANTHRACITE		1	0.1	2.76	99.98
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.02	100.00
TOTAL MASS OF EMISSIONS			3.		

EMISSIONS REPORT FOR ZINC

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
PRIMARY ZINC SMELTING	C	3	45953.7	82.69	82.69
SECONDARY ZINC SMELTING	C	3	3517.8	6.33	89.02
FERROALLOY PRODUCTION	C	3	2687.6	4.84	93.86
BRASS AND BRONZE INGOT PRODUCTION	C	3	1372.1	2.47	96.33
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	1274.7	2.29	98.62
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	244.0	0.44	99.06
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	244.0	0.44	99.50
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	114.7	0.21	99.71
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	72.6	0.13	99.84
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	14.5	0.03	99.86
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	13.6	0.02	99.89
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	12.6	0.02	99.91
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	7.1	0.01	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER		1	5.1	0.01	99.93
INDUSTRIAL EXT COMB LIGNITE STOKER		1	4.8	0.01	99.94
INDUSTRIAL EXT COMB RESID OIL OTHER		1	4.6	0.01	99.95
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	3.8	0.01	99.96
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	3.5	0.01	99.96
RESIDENTIAL EXT COMB BITUMINOUS		1	3.5	0.01	99.97
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	3.2	0.01	99.97
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER		1	3.1	0.01	99.98
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	2.6	0.01	99.98
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE		1	2.0	0.00	99.99
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	1.8	0.00	99.99
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	0.9	0.00	99.99
INDUSTRIAL EXT COMB RESID OIL TANG FIRE		1	0.9	0.00	99.99
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	0.6	0.00	100.00
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	0.6	0.00	100.00
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	0.5	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	0.5	0.00	100.00
RESIDENTIAL EXT COMB ANTHRACITE		1	0.2	0.00	100.00
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE		1	0.0	0.00	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			55572.		

EMISSIONS REPORT FOR ZINC OXIDE FUME (TLV(MG/M**3) 5.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINC OXIDE - PIGMENT	B	3	7087.0	100.00	100.00
TOTAL MASS OF EMISSIONS			7087.		

EMISSIONS REPORT FOR ZINC CHLORIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINC GALVANIZING OPERATIONS	B	3	101.1	100.00	100.00
TOTAL MASS OF EMISSIONS			101.		

EMISSIONS REPORT FOR ZINC OXIDE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINC GALVANIZING OPERATIONS	B	3	120.5	100.00	100.00
TOTAL MASS OF EMISSIONS			120.		

EMISSIONS REPORT FOR ZINC CHROMATE

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINC CHROMATE - PIGMENT	D	3	0.3	100.00	100.00
TOTAL MASS OF EMISSIONS			0.		

EMISSIONS REPORT FOR ZINC CHLORIDE FUME (TLV(MG/M**3) 1.000)

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINC CHLORIDE - 50 DEGREE BAUME'	D	3	14.4	100.00	100.00
TOTAL MASS OF EMISSIONS			14.		

EMISSIONS REPORT FOR ZINEB

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ZINEB	D	2	1.6	100.00	100.00
TOTAL MASS OF EMISSIONS			2.		

EMISSIONS REPORT FOR ZIRCONIUM

SOURCE	UL	CAT	MASS(1000 KG/YR)	PERCENT	CUM PERCENT
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTH		1	1088.5	57.18	57.18
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTH		1	208.6	10.96	68.14
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE		1	208.6	10.96	79.10
INDUSTRIAL EXT COMB BITUMINOUS STOKER		1	154.1	8.09	87.20
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTH		1	54.4	2.86	90.06
INDUSTRIAL EXT COMB LIGNITE STOKER		1	35.4	1.86	91.91
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTH		1	30.8	1.62	93.53
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTH		1	29.0	1.52	95.06
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTH		1	13.6	0.72	95.78
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTH		1	13.6	0.72	96.49
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE		1	13.6	0.72	97.21
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER		1	10.9	0.57	97.78
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER		1	9.1	0.48	98.26
RESIDENTIAL EXT COMB BITUMINOUS		1	8.6	0.45	98.71
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER		1	7.8	0.41	99.12
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER		1	4.5	0.24	99.36
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER		1	4.0	0.21	99.57
INDUSTRIAL EXT COMB ANTHRACITE STOKER		1	2.6	0.14	99.71
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTH		1	2.2	0.11	99.82
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE		1	1.8	0.10	99.92
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTH		1	1.2	0.06	99.98
RESIDENTIAL EXT COMB ANTHRACITE		1	0.4	0.02	100.00
RESIDENTIAL EXT COMB LIGNITE		1	0.0	0.00	100.00
TOTAL MASS OF EMISSIONS			1904.		

REFERENCES

1. TLVs® Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes for 1976. American Conference of Governmental Industrial Hygienists, Cincinnati, Ohio. 94 pp.